

KRF-V5090D/V5090D-S

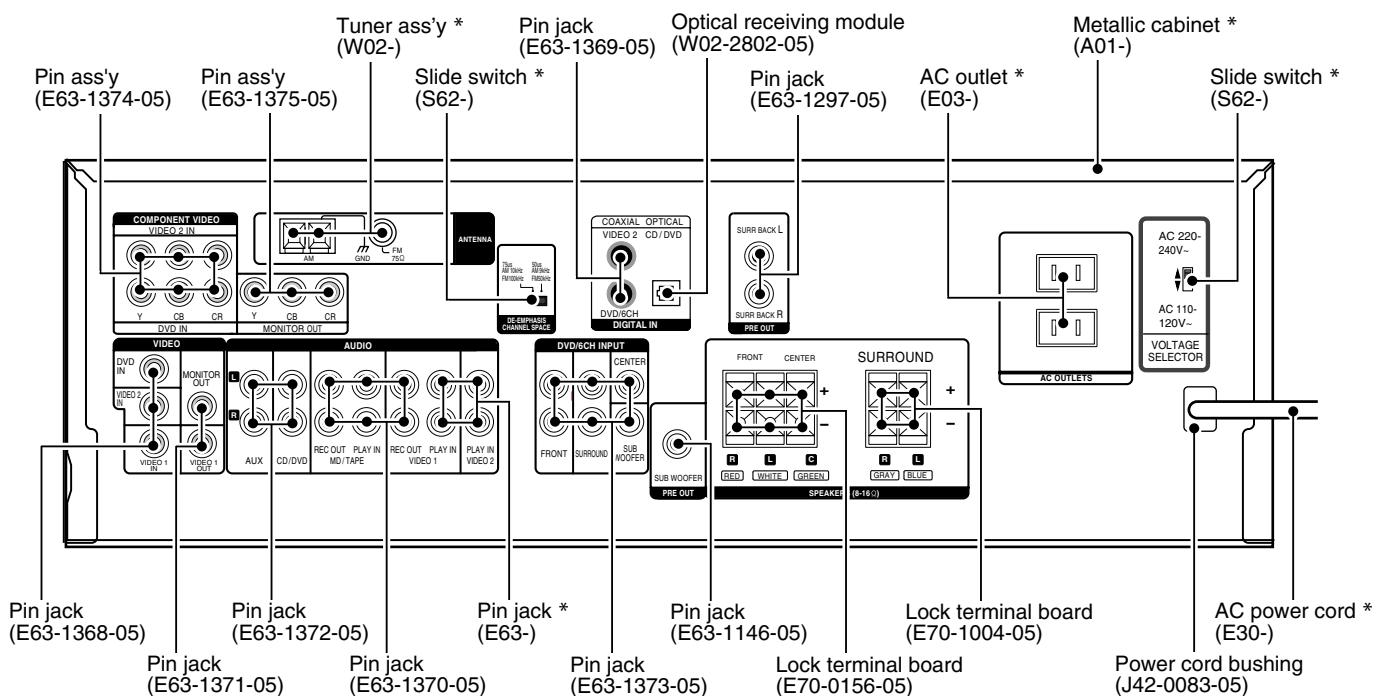
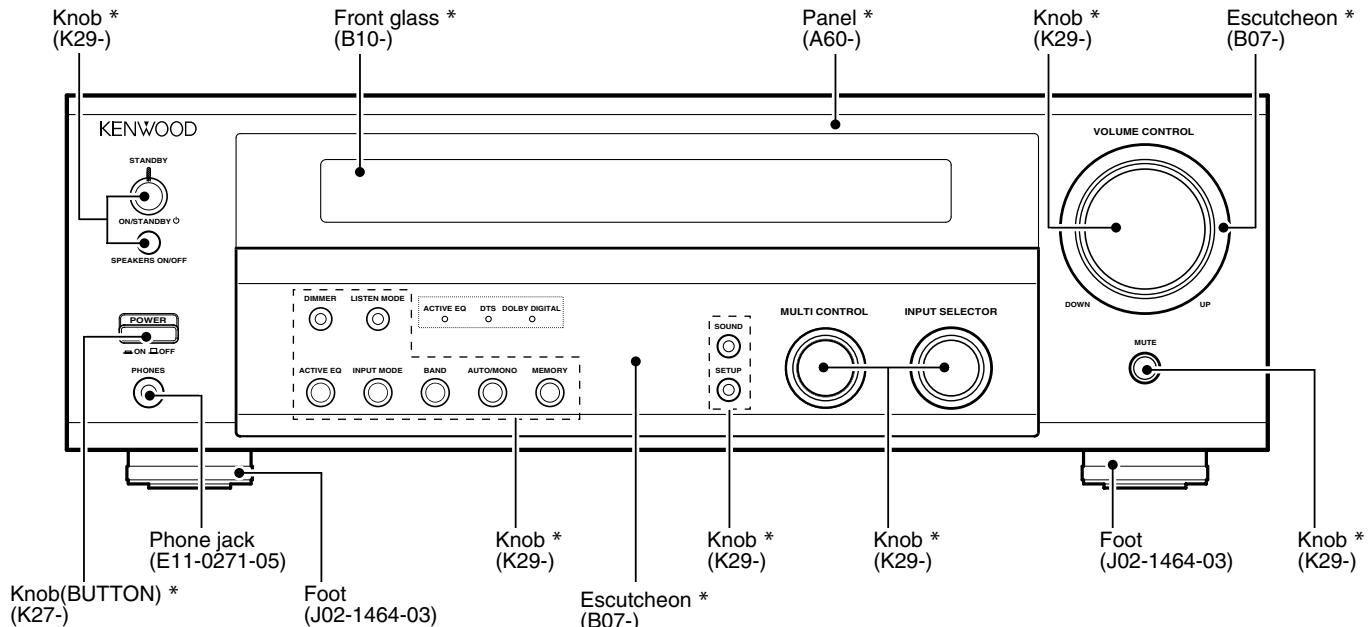
KRF-V6090D/V6090D-S

VR-905/905-S/906/906-S

SERVICE MANUAL

KENWOOD

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B51-5941-00 (K/K) 1010



Illust. is KRF-V5090D.

* Refer to parts list on page 23.

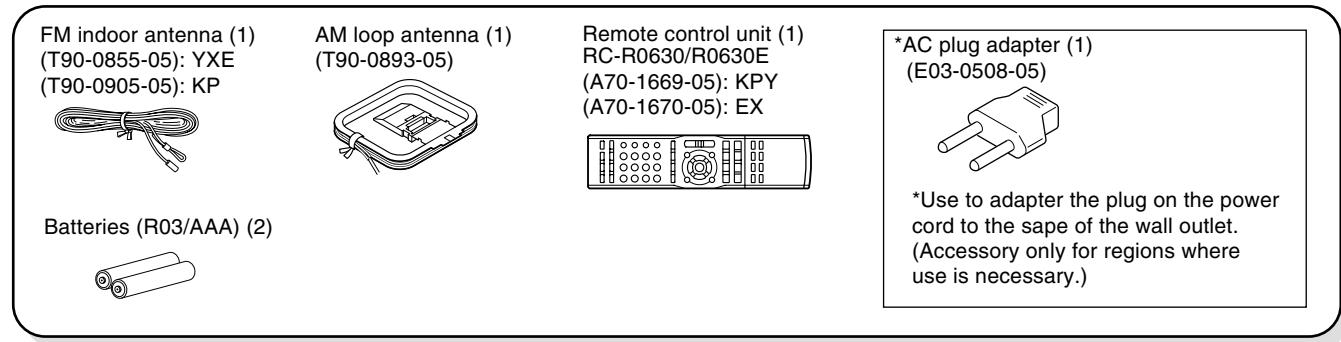
This product uses
LEAD-FREE SOLDER



KRF-V5090D/V6090D/VR-905/906

ACCESSORIES / CAUTIONS

Accessories



MODEL vs UNIT

MODEL		SURROUND	AUDIO	DISPLAY	ELECTRIC
VR-906/-S	K	X08-3420-10	X09-6970-10	X14-7930-10	
VR-906/-S	P				
KRF-V6090D	Y	X08-3422-91	X09-6972-91	X14-7932-91	X25-6730-10
KRF-V6090D-S	X		X09-6970-71	X14-7930-71	
KRF-V6090D/D-S	E	X08-3420-11	X09-6972-71	X14-7932-71	
VR-905-S	K	X08-3420-10	X09-6970-11	X14-7930-11	-
VR-905-S	P				
KRF-V5090D/D-S	Y	X08-3422-92	X09-6972-92	X14-7932-92	
KRF-V5090D-S	X		X09-6970-72	X14-7930-72	X25-6730-10
KRF-V5090D/D-S	E	X08-3420-10	X09-6972-72	X14-7932-72	-

Cautions

Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

- Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory.

For the U.S.A. and Canada

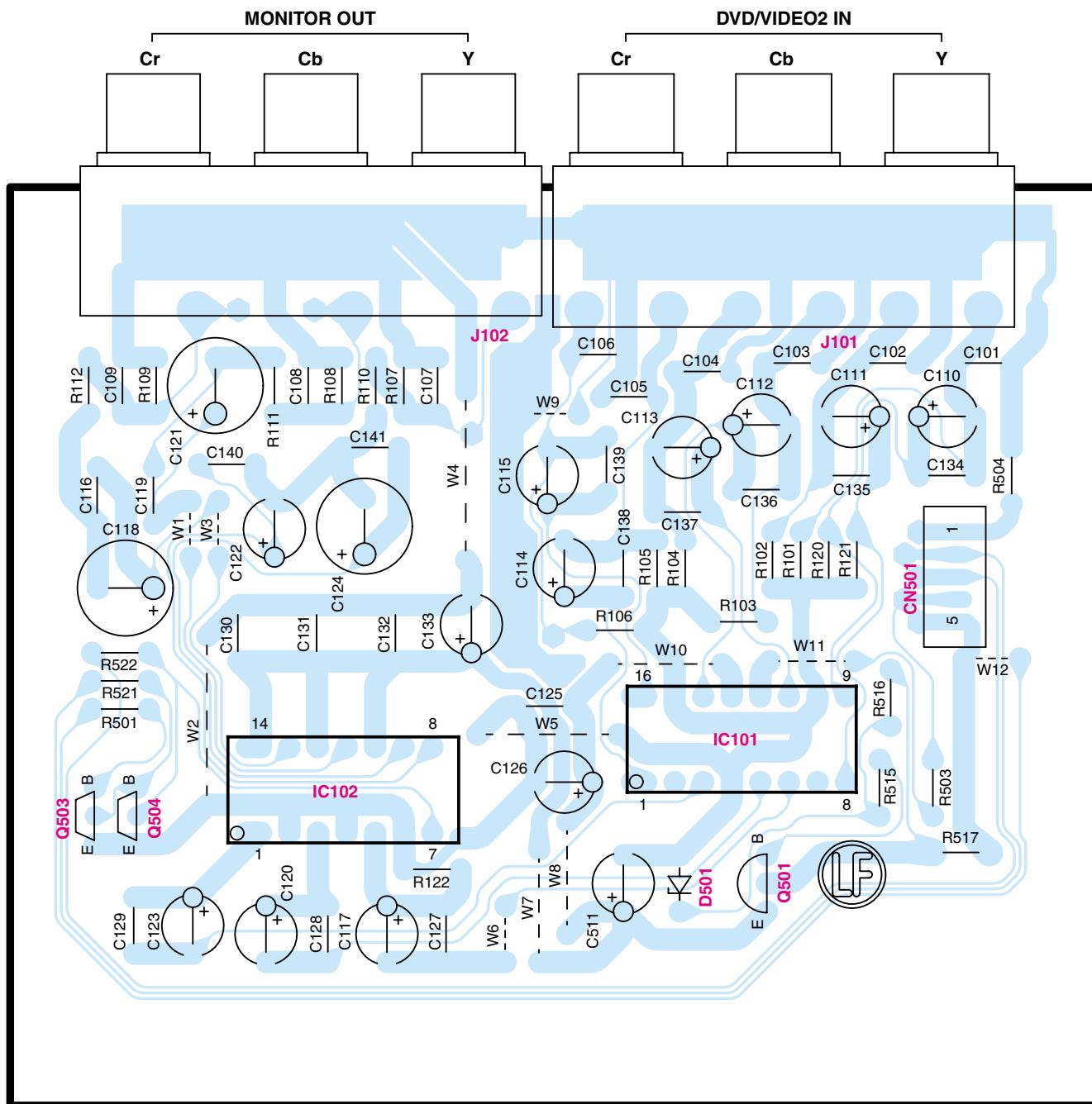
Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER ON/STANDBY \odot key.

For other countries

With the power cord plugged in, turn the POWER ON/OFF key OFF. Then, while holding down the ON/STANDBY \odot key, press POWER ON/OFF key.

PC BOARD (Component side view)

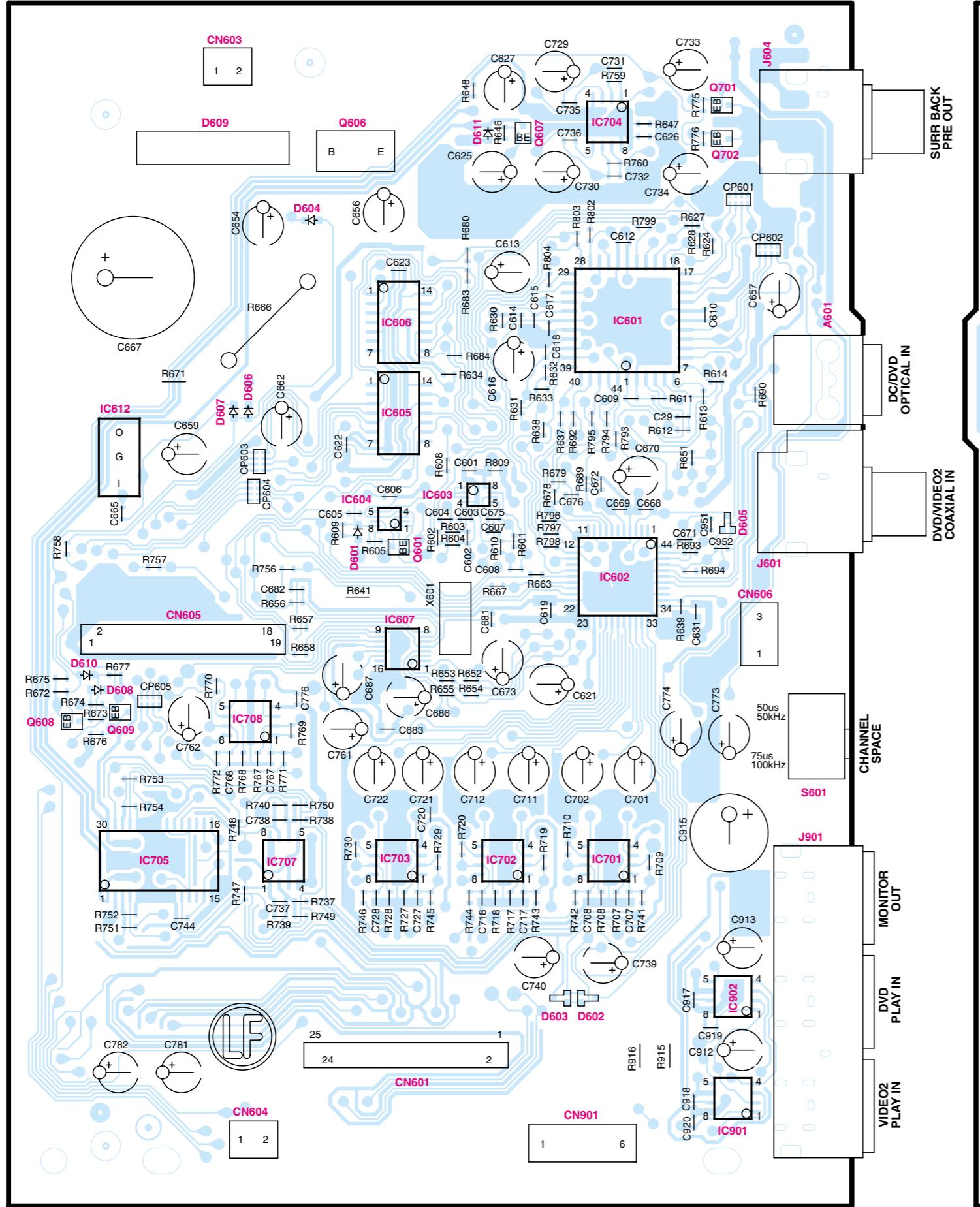
X25-6730-10 (J75-0057-02)



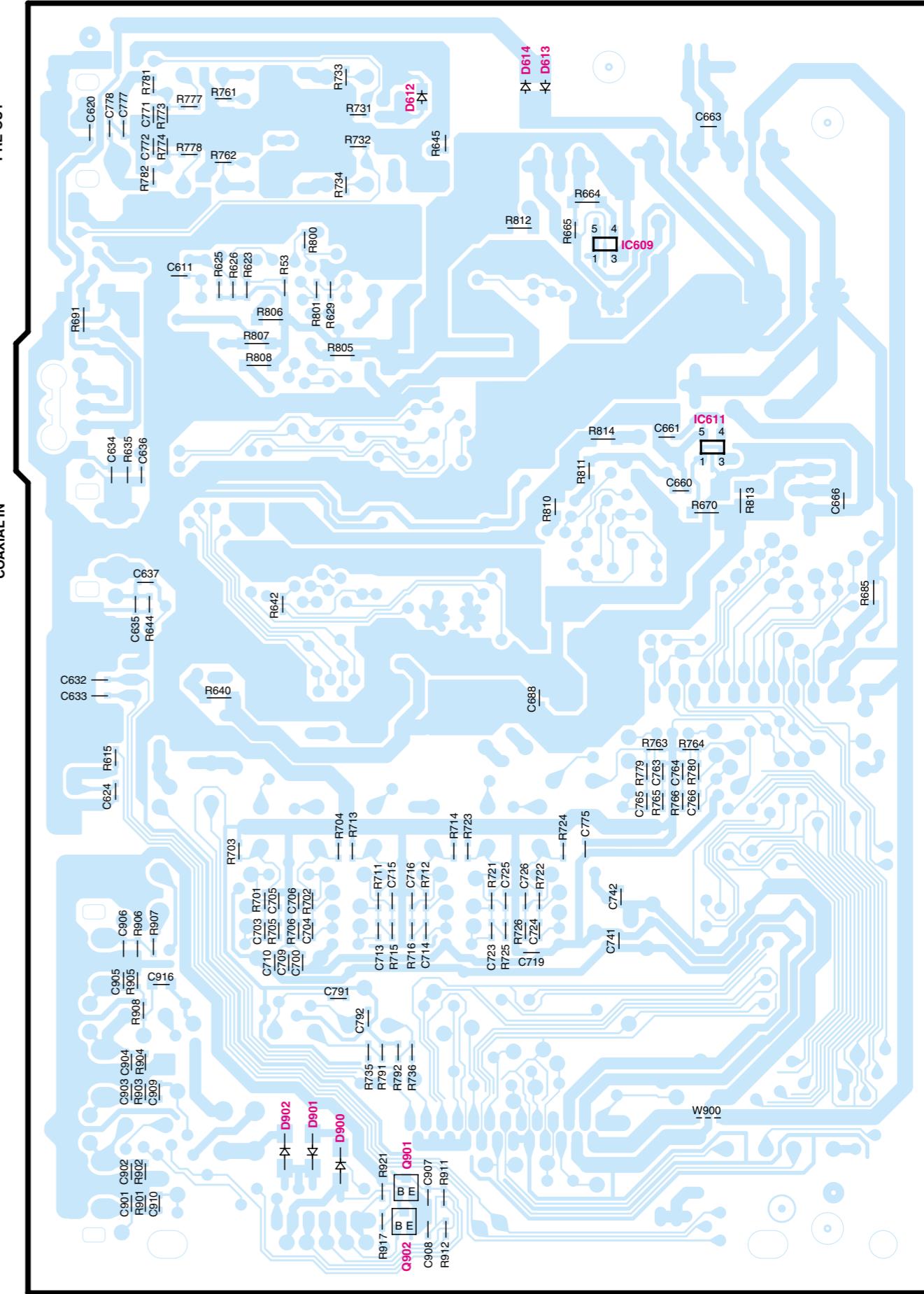
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

X08-3420-10 (J75-0054-02) (SIDE A)



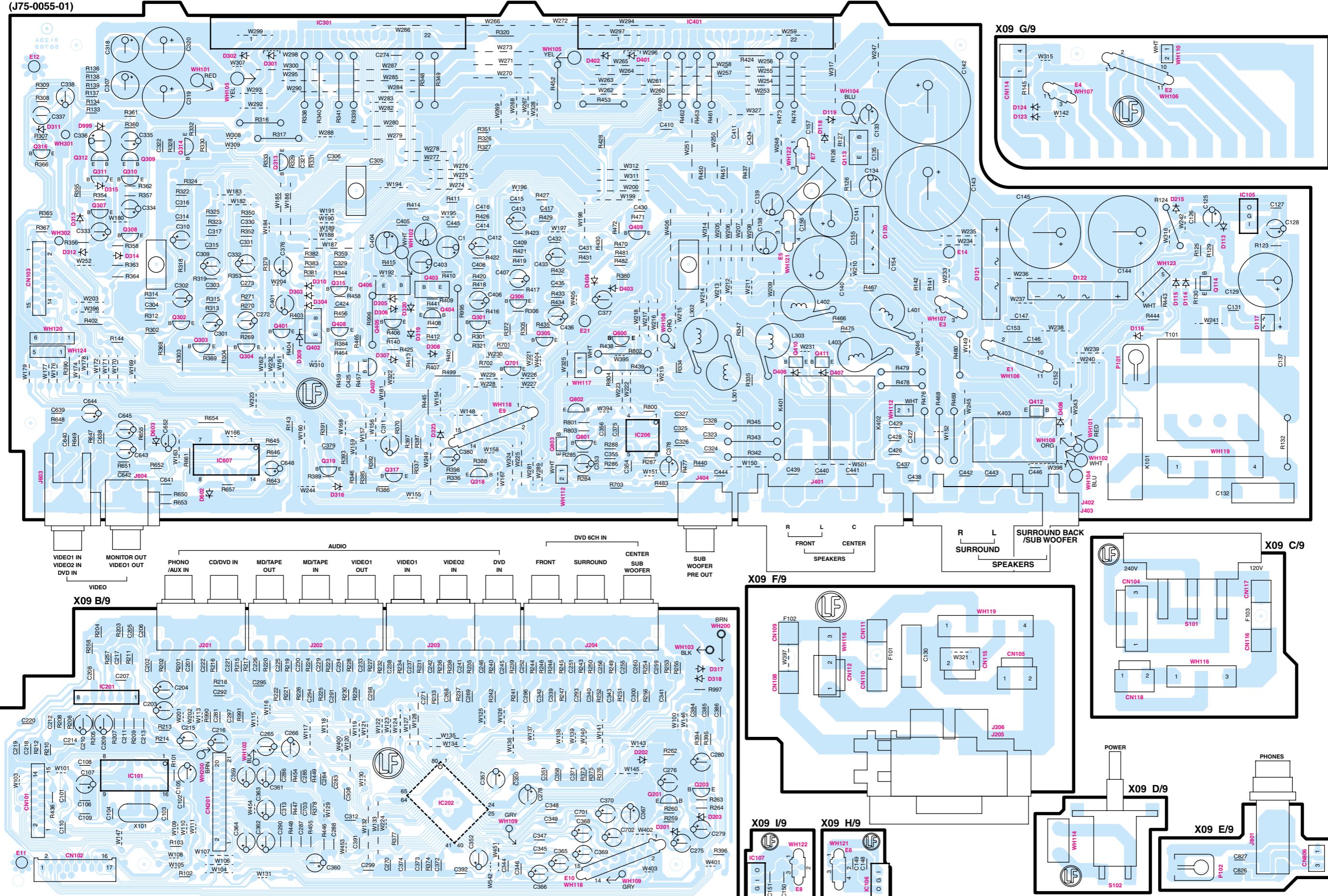
X08-3420-10 (J75-0054-02) (SIDE B)



Refer to the schematic diagram for the value of resistors and capacitors.

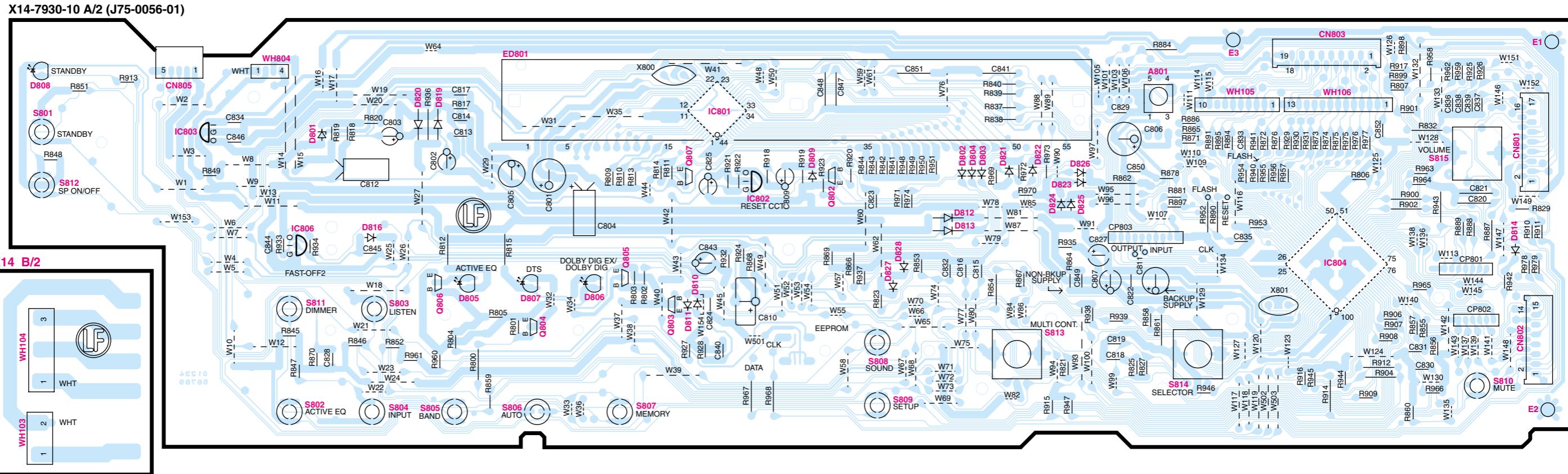
PC BOARD(Component side view)

X09-6970-10 A/9
(J75-0055-01)



Refer to the schematic diagram for the value of resistors and capacitors.

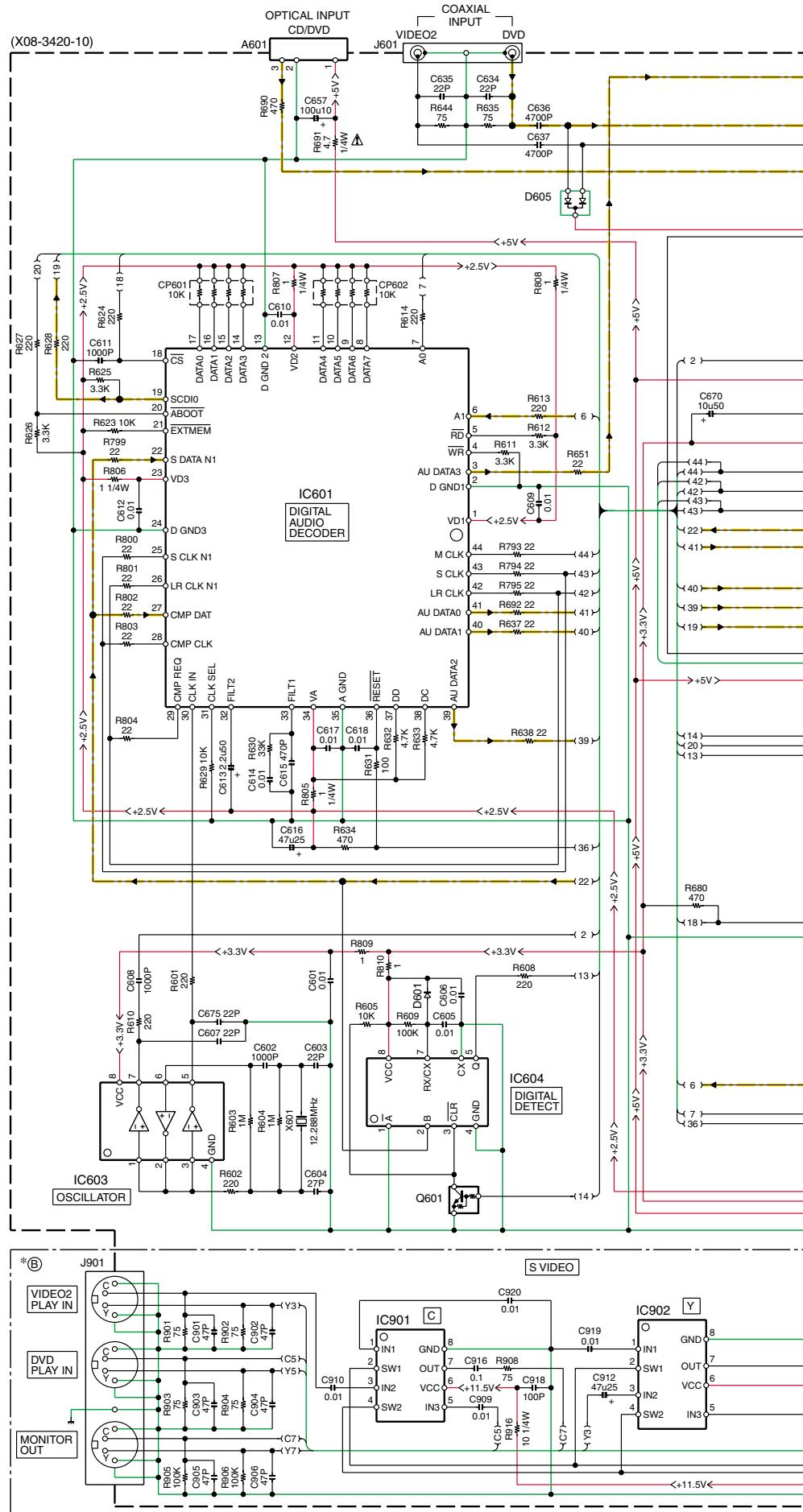
PC BOARD(Component side view)

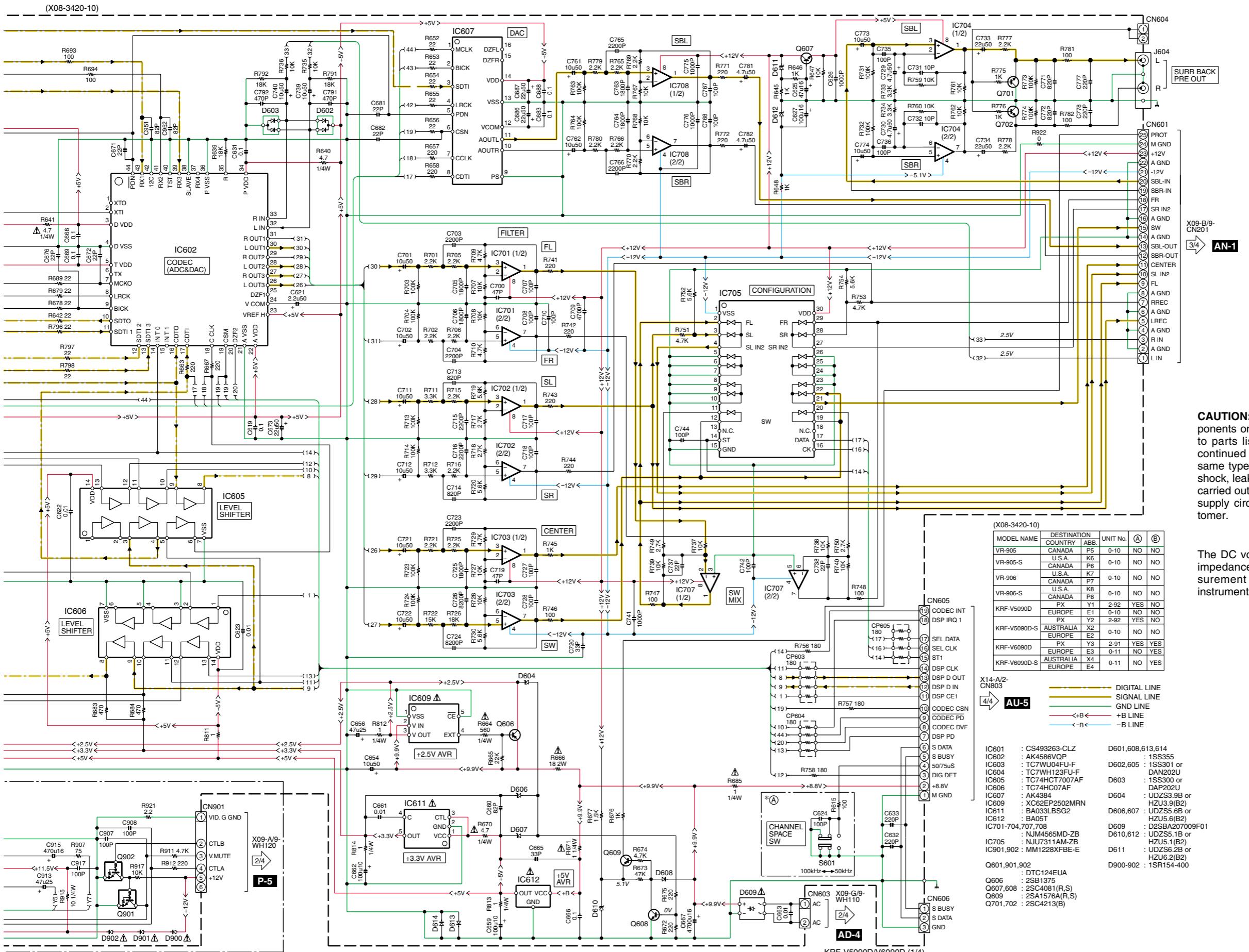


A B C D E

KRF-V5090D/V6090D/VR-905/906

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CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

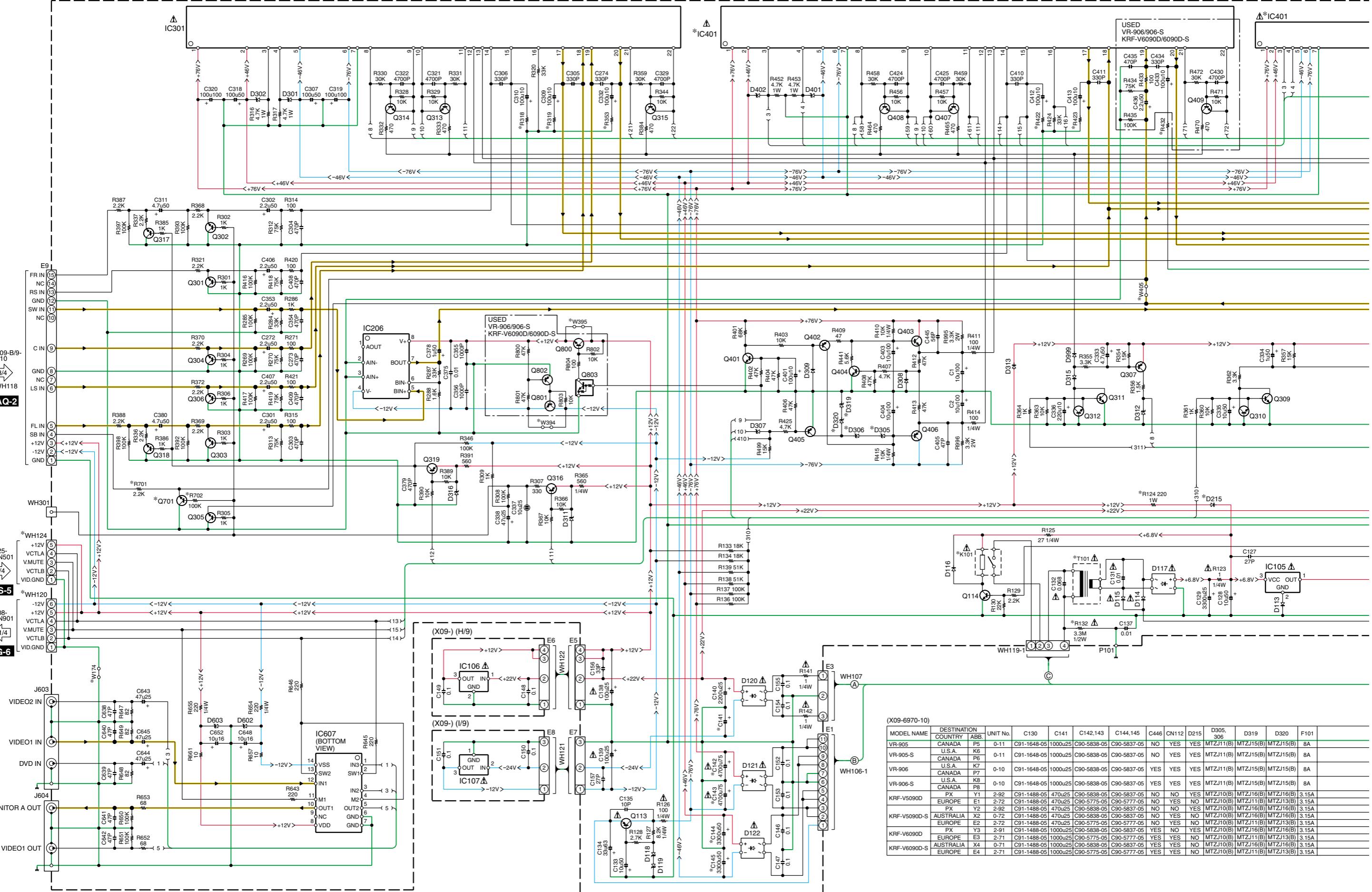
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

ME	DESTINATION COUNTRY	ABB.	UNIT No.	(A)	(B)
	CANADA	F5	0-10	NO	NO
	U.S.A.	K6	0-10	NO	NO
	CANADA	P6	0-10	NO	NO
	U.S.A.	K7	0-10	NO	NO
	CANADA	P7	0-10	NO	NO
	U.S.A.	K8	0-10	NO	NO
	CANADA	P8	0-10	NO	NO
D	PX	Y1	2-92	YES	NO
D	EUROPE	E1	0-10	NO	NO
D-S	PX	Y2	2-92	YES	NO
D-S	AUSTRALIA	X2	0-10	NO	NO
D	EUROPE	E2	0-10	NO	NO
D	PX	Y3	2-91	YES	YES
D-S	EUROPE	E3	0-11	NO	YES
D-S	AUSTRALIA	X4	0-11	NO	YES
D	EUROPE	E4	0-11	NO	YES

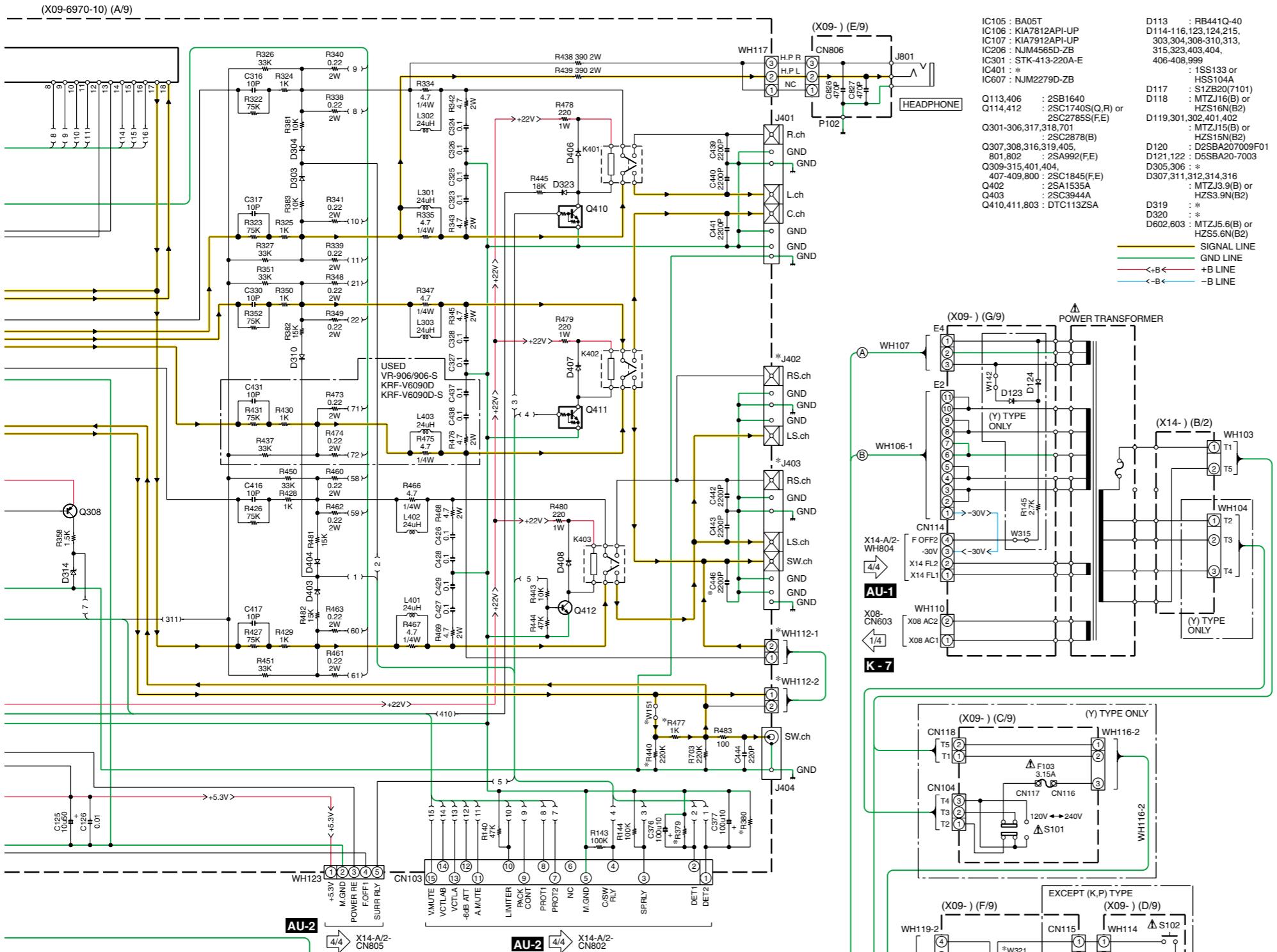
CS493263-CLZ	D601,608,613,614
AK4586VQP	:1SS355
C7WU04FU-F	D602,605 :1SS301 or
C7WH123FU-F	DAN202U
C7HCT7007AF	D603 :1SS300 or
C7HC07AF	DAP202U
K4384	D604 :UDZS3.9B or
C62E6P2502MRN	HZU3.9(B2)
A033LBSG2	D606,607 :UDZS5.6B or
A05T	HZU5.6(B2)
7,708	D609 :D2SBA207009F01
JM4565MD-ZB	D610,612 :UDZS5.1B or
UJ7311AM-ZB	HZU5.1(B2)
M1228XFB-E	D611 :UDZS6.2B or
2	HZU6.2(B2)
TC124EUA	D900-902 :1SR154-400
SB1375	
SC4091(R,S)	
SC41576(M,P,C)	

KRF-V5090D/V6090D/VR-905/906

(X09-6970-10) (A/9)

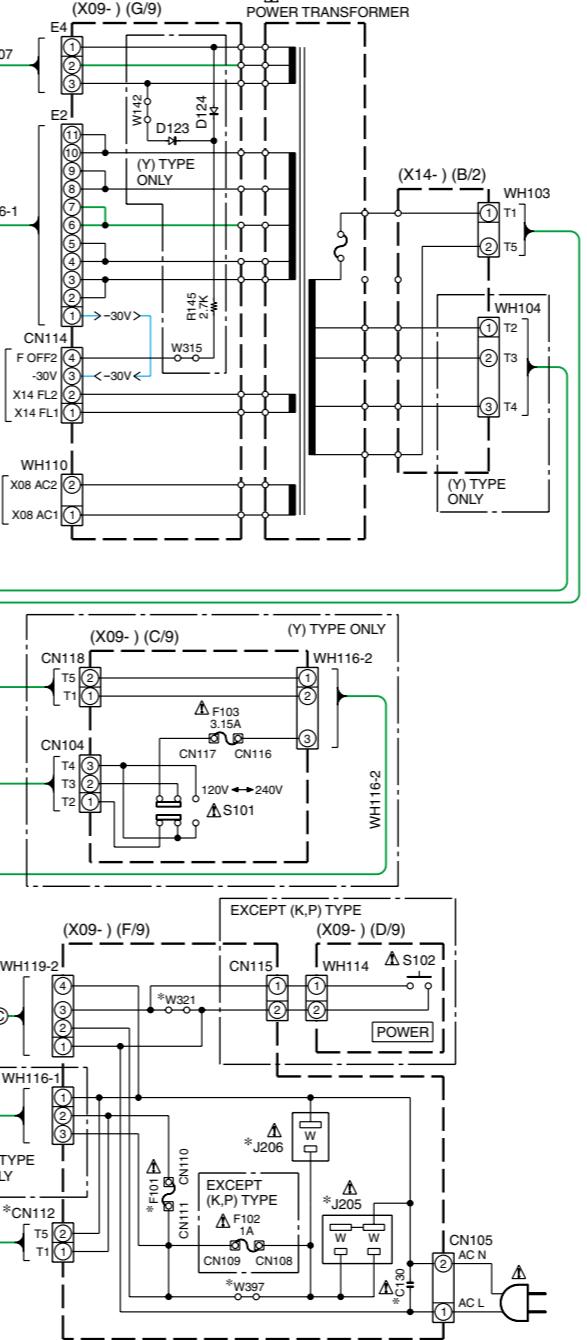


KRF-V5090D/V6090D/VR-905/906



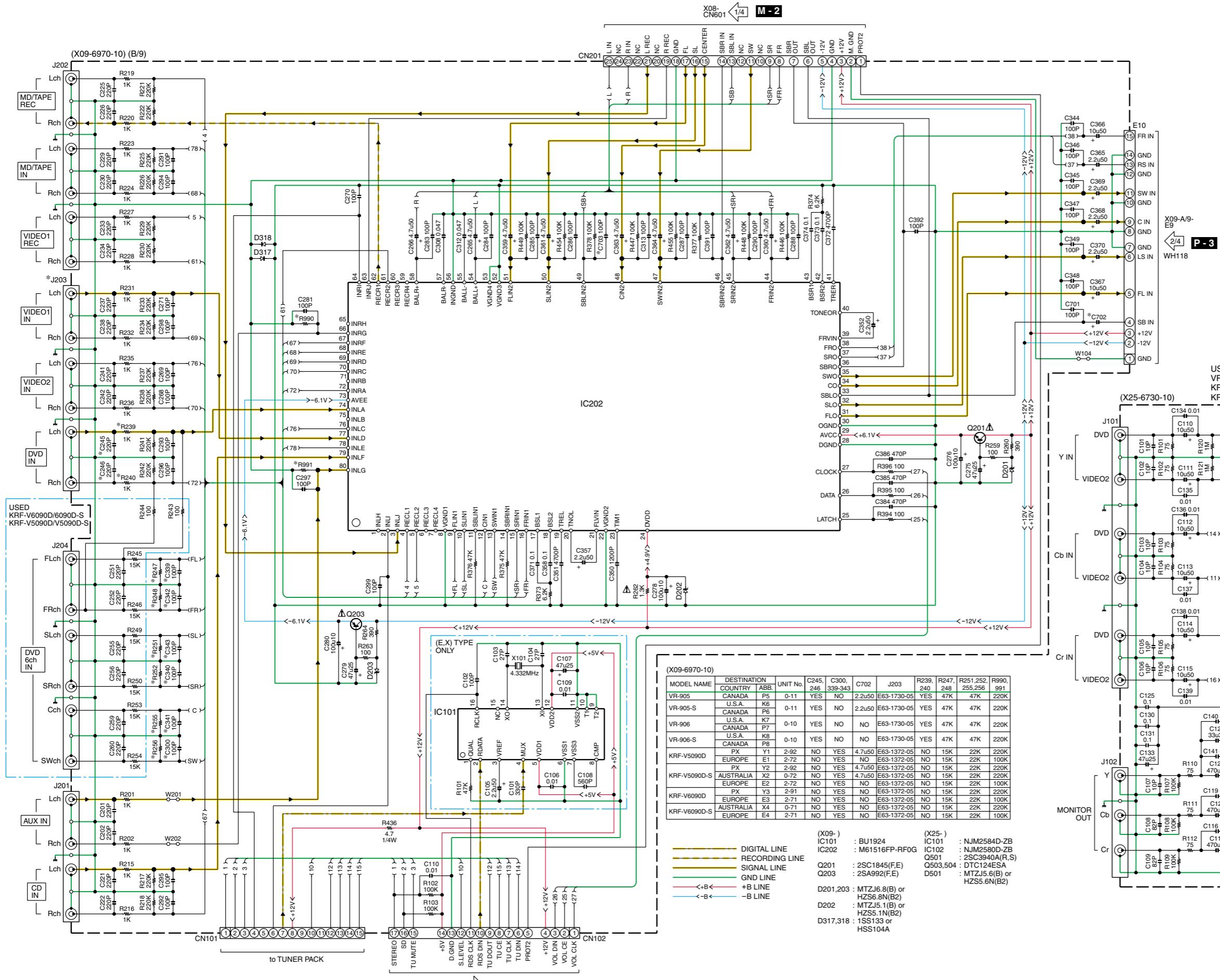
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



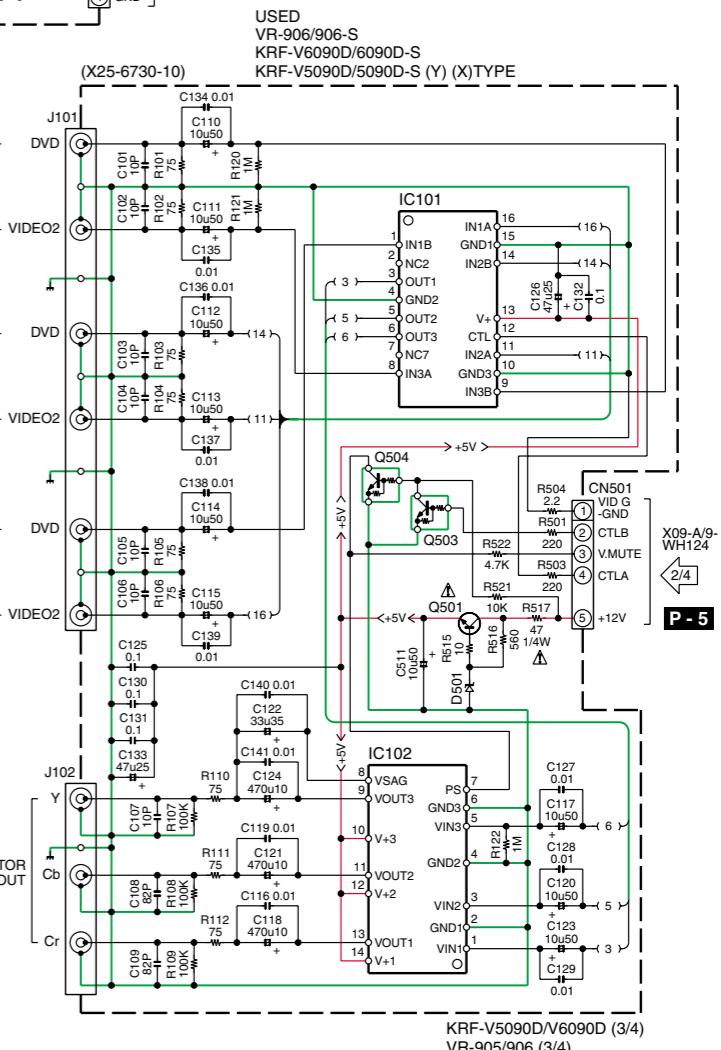
KRF-V5090D/V6090D (2/4) (K.P.) : AC120V-60Hz
VR-905/906 (2/4) (Y) : AC110-120V/220-240V-
50/60Hz
(X) : AC240V- 50Hz
(E) : AC230V- 50Hz

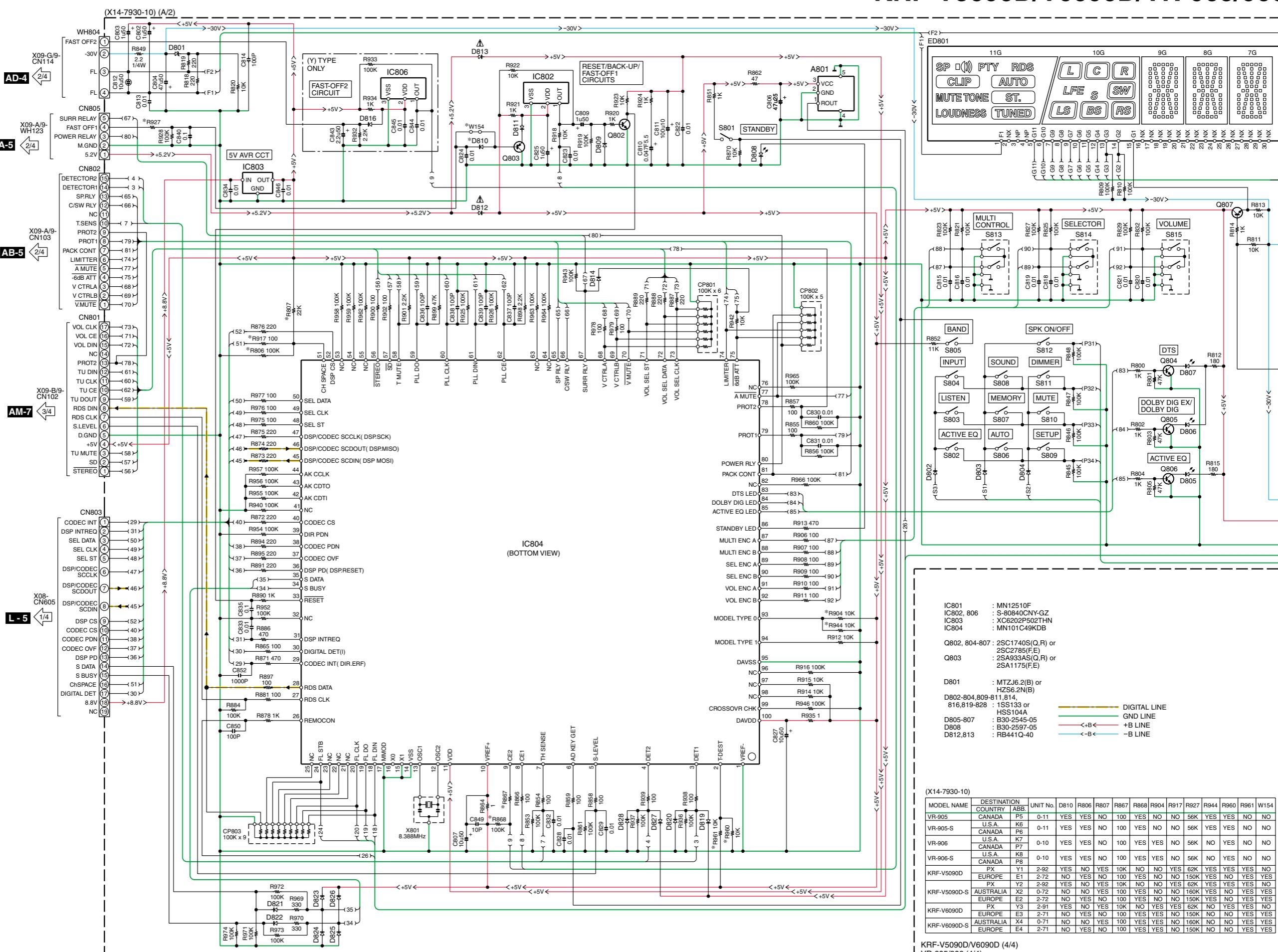
KRF-V5090D/V6090D/VR-905/906



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

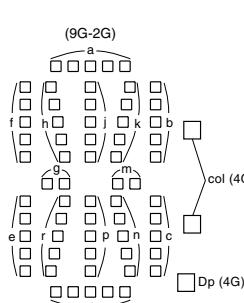
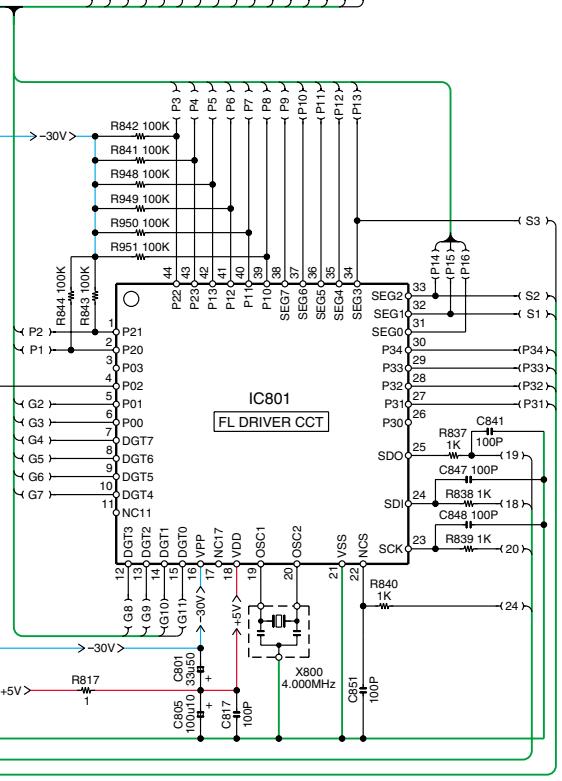
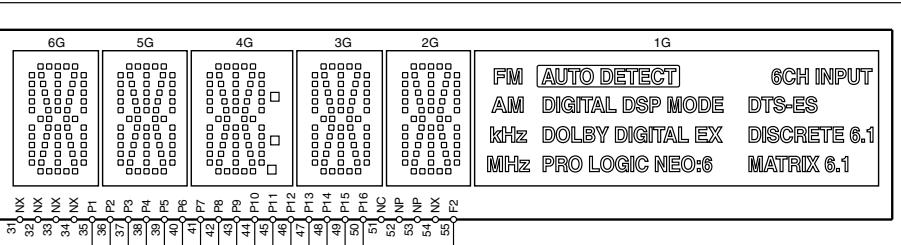
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



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KRF-V5090D/V6090D/VR-905/906

(X14-7930-10) (A/2)



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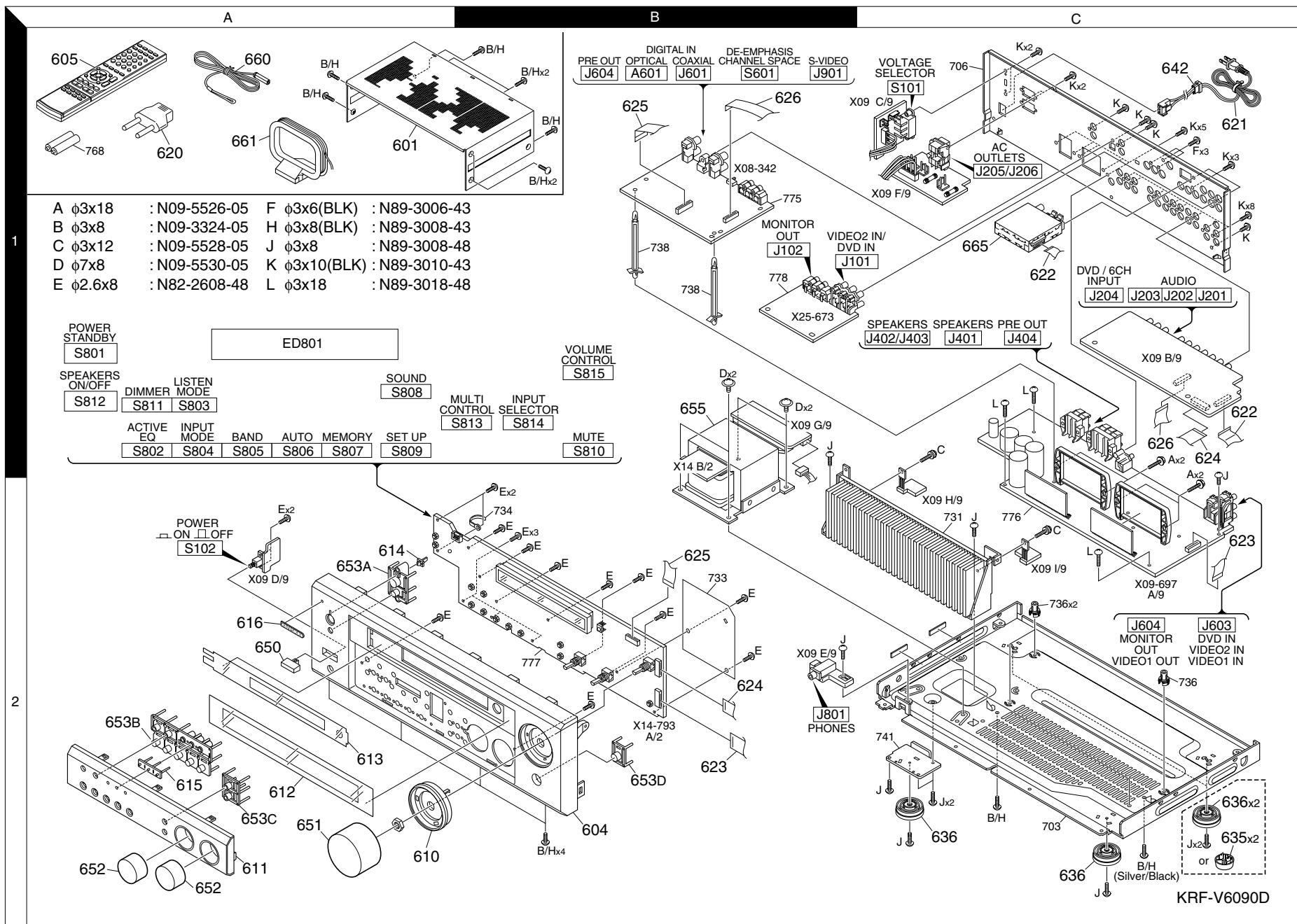
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

11-MT143GNK													
	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G		
P1	SP \square (\square)	L	a	a	a	a	a	a	a	a	a	FM	
P2	CLIP	C	j	j	j	j	j	j	j	j	j	AM	
P3	MUTE	R	h	h	h	h	h	h	h	h	h	MHz	
P4	TONE	LFE	k	k	k	k	k	k	k	k	k	MHz	
P5	LOUDNESS	SW	b	b	b	b	b	b	b	b	b	AUTO DETECT	
P6	PTY	LS	f	f	f	f	f	f	f	f	f	DIGITAL	
P7	RDS	S	g	g	g	g	g	g	g	g	g	6CH INPUT	
P8	AUTO	BS	m	m	m	m	m	m	m	m	m	DSP MODE	
P9	ST	RS	c	c	c	c	c	c	c	c	c	DOLBY DIGITAL	
P10	TUNED	(L)	e	e	e	e	e	e	e	e	e	EX	
P11	-	(C)	r	r	r	r	r	r	r	r	r	PRO LOGIC	
P12	-	(R)	n	n	n	n	n	n	n	n	n	NEO:6	
P13	-	(SW)	p	p	p	p	p	p	p	p	p	DTS	
P14	-	(LS)	d	d	d	d	d	d	d	d	d	-ES	
P15	-	(BS)	-	-	-	-	-	-	-	-	-	DISCRETE 6.1	
P16	-	(RS)	-	-	-	-	-	-	-	-	-	MATRIX 6.1	

11MT129GNK													
	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G		
P1	SP \square (\square)	L	a	a	a	a	a	a	a	a	a	FM	
P2	A	C	j	j	j	j	j	j	j	j	j	AM	
P3	B	R	h	h	h	h	h	h	h	h	h	MHz	
P4	MUTE	SL	k	k	k	k	k	k	k	k	k	MHz	
P5	CLIP	S	b	b	b	b	b	b	b	b	b	AUTO	
P6	CINEMA EQ.	SR	f	f	f	f	f	f	f	f	f	MENU	
P7	-	LFE	g	g	g	g	g	g	g	g	g	ST.	
P8	-	SW	m	m	m	m	m	m	m	m	m	TUNED	
P9	RDS	(U)	c	c	c	c	c	c	c	c	c	AUTO DETECT	
P10	PTY	(C)	e	e	e	e	e	e	e	e	e	DTS	
P11	98kHz2s	(R)	r	r	r	r	r	r	r	r	r	DOLBY DIGITAL	
P12	TONE	(SL)	n	n	n	n	n	n	n	n	n	PRO LOGIC	
P13	LOUDNESS	(S)	p	p	p	p	p	p	p	p	p	DIGITAL	
P14	-	(SP)	d	d	d	d	d	d	d	d	d	6CH INPUT	
P15	-	(SW)	-	-	-	-	-	-	-	-	-	DSP	
P16	-	(RS)	-	-	-	-	-	-	-	-	-	STEREO	

KRF-V5090D/V6090D/VR-905/906

EXPLODED VIEW (UNIT)



KRF-V5090D/V6090D/VR-905/906

PARTS LIST

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

①

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
KRF-V5090D/V6090D, VR-905/906						
601	1A	*	A01-3944-01	METALLIC CABINET	E3	
601	1A	*	A01-3944-01	METALLIC CABINET	K7P7Y3	
601	1A	*	A01-3944-01	METALLIC CABINET	Y1E1P5	
601	1A	*	A01-3945-01	METALLIC CABINET	E4	
601	1A	*	A01-3945-01	METALLIC CABINET	K6P6Y2	
601	1A	*	A01-3945-01	METALLIC CABINET	K8P8X4	
601	1A	*	A01-3945-01	METALLIC CABINET	X2E2	
604	2B		A60-2379-01	PANEL	Y1E1	
604	2B		A60-2379-01	PANEL	Y3E3	
604	2B		A60-2380-01	PANEL	X4E4	
604	2B	*	A60-2380-01	PANEL	Y2X2E2	
604	2B	*	A60-2405-01	PANEL	K7P7	
604	2B	*	A60-2405-01	PANEL	P5	
604	2B	*	A60-2406-01	PANEL	K6P6	
604	2B	*	A60-2406-01	PANEL	K8P8	
605	1A	*	A70-1669-05	REMOTE CONTROLLER ASSY	KPY	
605	1A	*	A70-1670-05	REMOTE CONTROLLER ASSY	EX	
-		*	B60-5529-00	INSTRUCTION MANUAL(EN)	KPY	
-		*	B60-5530-00	INSTRUCTION MANUAL(FR)	P	
-		*	B60-5531-00	INSTRUCTION MANUAL(TC)	Y	
-		*	B60-5532-00	INSTRUCTION MANUAL(6-LN)	E	
-		*	B60-5533-00	INSTRUCTION MANUAL(EN)	X	
610	2A		B07-2685-03	ESCUtCHEON	E4	
610	2A		B07-2685-03	ESCUtCHEON	K6P6Y2	
610	2A		B07-2685-03	ESCUtCHEON	K8P8X4	
610	2A		B07-2685-03	ESCUtCHEON	X2E2	
610	2A		B07-2688-03	ESCUtCHEON	E3	
610	2A		B07-2688-03	ESCUtCHEON	K7P7Y3	
610	2A		B07-2688-03	ESCUtCHEON	Y1E1P5	
611	2A		B07-2722-01	ESCUtCHEON	E3	
611	2A		B07-2722-01	ESCUtCHEON	K7P7Y3	
611	2A		B07-2722-01	ESCUtCHEON	Y1E1P5	
611	2A		B07-2723-01	ESCUtCHEON	E4	
611	2A		B07-2723-01	ESCUtCHEON	K6P6Y2	
611	2A		B07-2723-01	ESCUtCHEON	K8P8X4	
612	2A	*	B10-5552-02	FRONT GLASS	X2E2	
612	2A	*	B10-5553-02	FRONT GLASS	K7P7	
612	2A	*	B10-5554-02	FRONT GLASS	K8P8	
612	2A	*	B10-5556-02	FRONT GLASS	Y3	
612	2A	*	B10-5557-02	FRONT GLASS	X4E4	
612	2A	*	B10-5558-02	FRONT GLASS	E3	
612	2A	*	B10-5559-02	FRONT GLASS	K6P6P5	
612	2A	*	B10-5560-02	FRONT GLASS	Y1	
612	2A	*	B10-5561-02	FRONT GLASS	Y2	
612	2A	*	B10-5562-02	FRONT GLASS	X2E2	
613	2A		B11-1568-13	COLOR FILTER	E1	
614	2A		B12-0482-04	INDICATOR	STANDBY	
615	2A		B12-0483-04	INDICATOR		
616	2A		B43-0336-04	BADGE		
△ 620	1A		E03-0508-05	AC PLUG ADAPTER	Y	
△ 621	1C		E30-2842-05	AC POWER CORD	E	

L : Scandinavia

Y : PX(Far East,Hawaii)

Y : AAFES(Europe)

K : USA

T : England

X : Australia

P : Canada

E : Europe

Q : Russia

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

M : Other Areas

I : Malaysia

△ indicates safety critical components .

* New Parts

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②

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
△ 621	1C		E30-2941-05	AC POWER CORD	KP	
△ 621	1C		E30-7313-05	AC POWER CORD	Y	
△ 621	1C	*	E30-7330-05	AC POWER CORD	X	
622	1C		E35-2643-05	FLAT CABLE		
623	2B,2C		E35-2792-05	FLAT CABLE		
624	2B,1C		E35-3306-15	FLAT CABLE		
625	1B,2B		E35-3468-05	FLAT CABLE		
626	1C		E35-3632-05	FLAT CABLE		
-		*	H10-7929-01	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7930-01	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0391-04	PROTECTION BAG		
-		*	H50-5014-04	ITEM CARTON CASE	K7P7	
-		*	H50-5015-04	ITEM CARTON CASE	K8P8	
-		*	H50-5016-04	ITEM CARTON CASE	Y3	
-		*	H50-5018-04	ITEM CARTON CASE	X4	
-		*	H50-5019-04	ITEM CARTON CASE	E3	
-		*	H50-5020-04	ITEM CARTON CASE	E4	
-		*	H50-5021-04	ITEM CARTON CASE	K6P6	
-		*	H50-5022-04	ITEM CARTON CASE	Y1	
-		*	H50-5023-04	ITEM CARTON CASE	Y2	
-		*	H50-5024-04	ITEM CARTON CASE	X2	
-		*	H50-5025-04	ITEM CARTON CASE	E1	
635	2C		J61-0307-05	WIRE BAND		
636	2C		J02-1013-05	FOOT		
636	1C		J02-1464-03	FOOT	KPYX	
△ 642			J42-0083-05	POWER CORD BUSHING		
650	2A		K27-2525-14	BUTTON KNOB	Y1E1	
650	2A		K27-2525-14	BUTTON KNOB	Y3E3	
650	2A		K27-2526-14	BUTTON KNOB	X4E4	
650	2A		K27-2526-14	BUTTON KNOB	Y2X2E2	
651	2A		K29-8350-14	KNOB	E3	
651	2A		K29-8350-14	KNOB	K7P7Y3	
651	2A		K29-8350-14	KNOB	Y1E1P5	
651	2A		K29-8351-04	KNOB	E4	
651	2A		K29-8351-04	KNOB	K6P6Y2	
651	2A		K29-8351-04	KNOB	K8P8X4	
651	2A		K29-8351-04	KNOB	X2E2	
652	2A		K29-8352-14	KNOB	E3	
652	2A		K29-8352-14	KNOB	K7P7Y3	
652	2A		K29-8352-14	KNOB	Y1E1P5	
652	2A		K29-8353-04	KNOB	E4	
652	2A,2B		K29-8353-04	KNOB	K6P6Y2	
652	2A,2B		K29-8354-01	KNOB	K8P8X4	
652	2A,2B		K29-8354-01	KNOB	X2E2	
653	2A,2B		K29-8354-01	KNOB	E3	
653	2A,2B		K29-8354-01	KNOB	K7P7Y3	
653	2A,2B		K29-8354-01	KNOB	Y1E1P5	
653	2A,2B		K29-8355-01	KNOB	E4	
653	2A,2B		K29-8355-01	KNOB	K6P6Y2	
653	2A,2B		K29-8355-01	KNOB	K8P8X4	
653	2A,2B		K29-8355-01	KNOB	X2E2	
653	2A,2B		K29-8355-01	KNOB	Y1E1P5	
653	2A,2B		K29-8355-01	KNOB	E4	
653	2A,2B		K29-8355-01	KNOB	K6P6Y2	
653	2A,2B		K29-8355-01	KNOB	K8P8X4	
653	2A,2B		K29-8355-01	KNOB	X2E2	

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③

KRF-V5090D/V6090D/VR-905/906 PARTS LIST

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Ref. No	Address	New Parts	Parts No.	Description	Desti-nation	Re-marks
△ 655	1B	*	L07-3306-05	POWER TRANSFORMER	KP	
△ 655	1B	*	L07-3307-05	POWER TRANSFORMER	Y	
△ 655	1B	*	L07-3308-05	POWER TRANSFORMER	X	
△ 655	1B	*	L07-3309-05	POWER TRANSFORMER	E	
E J L			N82-2608-48 N89-3008-48 N89-3018-48	BINDING HEAD TAPITTE SCREW BINDING HEAD TAPITTE SCREW BINDING HEAD TAPITTE SCREW		
660	1A		T90-0855-05	LEAD WIRE ANTENNA	YXE	
660	1A		T90-0905-05	LEAD WIRE ANTENNA	KP	
661	1A		T90-0893-05	LOOP ANTENNA		
665	1C		W02-2970-15	TUNER ASSY	KP	
665	1C		W02-2971-05	TUNER ASSY	Y	
665	1C		W02-2972-05	TUNER ASSY	EX	

SURROUND (X08-3420-10)

C601			CK73GB1H103K	CHIP C	0.010UF	K		
C602			CK73GB1H102K	CHIP C	1000PF	K		
C603			CC73GCH1H220J	CHIP C	22PF	J		
C604			CC73GCH1H270J	CHIP C	27PF	J		
C605,606			CK73GB1H103K	CHIP C	0.010UF	K		
C607			CC73GCH1H220J	CHIP C	22PF	J		
C608			CK73GB1H102K	CHIP C	1000PF	K		
C609,610			CK73GB1H103K	CHIP C	0.010UF	K		
C611			CK73GB1H102K	CHIP C	1000PF	K		
C612			CK73GB1H103K	CHIP C	0.010UF	K		
C613			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		
C614			CK73GB1H103K	CHIP C	0.010UF	K		
C615			CC73GCH1H471J	CHIP C	470PF	J		
C616			CD04BJ1E470M	ELECTRO	47UF	25WV		
C617,618			CK73GB1H103K	CHIP C	0.010UF	K		
C619			CK73FB1E104K	CHIP C	0.10UF	K		
C621			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		
C622,623			CK73GB1H103K	CHIP C	0.010UF	K		
C624			CC73GCH1H101J	CHIP C	100PF	J		
C625			CD04BJ1C470M	ELECTRO	47UF	16WV	Y	
C626			CK73GB1H102K	CHIP C	1000PF	K		
C627			CD04BJ1C101M	ELECTRO	100UF	16WV		
C631			CK73FB1E104K	CHIP C	0.10UF	K		
C632,633			CC73GCH1H221J	CHIP C	220PF	J		
C634,635			CC73GCH1H220J	CHIP C	22PF	J		
C636,637			CK73GB1H472K	CHIP C	4700PF	K		
C654			CD04BJ1H100M	ELECTRO	10UF	50WV		
C656			CD04BJ1E470M	ELECTRO	47UF	25WV		
C657			CD04BJ1A101M	ELECTRO	100UF	10WV		
C659			CD04BJ1A101M	ELECTRO	100UF	10WV		
C660			CC73GCH1H820J	CHIP C	82PF	J		
C661			CK73GB1H103K	CHIP C	0.010UF	K		
C662			CD04BJ1A101M	ELECTRO	100UF	10WV		
C663			CK73GB1H103K	CHIP C	0.010UF	K		
C665			CC73GCH1H330J	CHIP C	33PF	J		
C666	*		CK73FB1E104K	CHIP C	0.10UF	K		
C667	*		CD04BJ1C472M	ELECTRO	4700UF	16WV		
C668,669	*		CK73FB1E104K	CHIP C	0.10UF	K		
C670	*		CD04BJ1H100M	ELECTRO	10UF	50WV		
C671,672	*		CC73GCH1H220J	CHIP C	22PF	J		

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C673			CD04BJ1H220M	ELECTRO	22UF	50WV
C675,676			CC73GCH1H220J	CHIP C	22PF	J
C681,682			CC73GCH1H220J	CHIP C	22PF	J
C683			CK73B1E104K	CHIP C	0.10UF	K
C686,687			CD04BJ1H220M	ELECTRO	22UF	50WV
C688			CK73FB1E104K	CHIP C	0.10UF	K
C700			CC73GCH1H470J	CHIP C	47PF	J
C701,702			CD04BJ1H100M	ELECTRO	10UF	50WV
C703,704			CK73GB1H222K	CHIP C	2200PF	K
C705,706			CK73GB1H182K	CHIP C	1800PF	K
C707,708			CC73GCH1H101J	CHIP C	100PF	J
C709			CK73GB1H472K	CHIP C	4700PF	K
C710			CC73GCH1H101J	CHIP C	100PF	J
C711,712			CD04BJ1H100M	ELECTRO	10UF	50WV
C713,714			CK73GB1H821K	CHIP C	820PF	K
C715,716			CK73GB1H222K	CHIP C	2200PF	K
C717,718			CC73GCH1H101J	CHIP C	100PF	J
C719			CC73GCH1H470J	CHIP C	47PF	J
C720			CC73GCH1H330J	CHIP C	33PF	J
C721,722			CD04BJ1H100M	ELECTRO	10UF	50WV
C723			CK73GB1H222K	CHIP C	2200PF	K
C724			CK73GB1H822K	CHIP C	8200PF	K
C725			CK73GB1H182K	CHIP C	1800PF	K
C726			CK73GB1H822K	CHIP C	8200PF	K
C727,728			CC73GCH1H101J	CHIP C	100PF	J
C729,730			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV
C731,732			CC73GCH1H100D	CHIP C	10PF	D
C733,734			CD04BJ1H220M	ELECTRO	22UF	50WV
C735,736			CC73GCH1H101J	CHIP C	100PF	J
C737,738			CC73GCH1H220J	CHIP C	22PF	J
C739,740			CD04BJ1H100M	ELECTRO	10UF	50WV
C741			CK73GB1H102K	CHIP C	1000PF	K
C742			CC73GCH1H101J	CHIP C	100PF	J
C744			CC73GCH1H101J	CHIP C	100PF	J
C761,762			CD04BJ1H100M	ELECTRO	10UF	50WV
C763,764			CK73GB1H182K	CHIP C	1800PF	K
C765,766			CK73GB1H222K	CHIP C	2200PF	K
C767,768			CC73GCH1H101J	CHIP C	100PF	J
C771,772			CK73GB1H821K	CHIP C	820PF	K
C773,774			CD04BJ1H100M	ELECTRO	10UF	50WV
C775,776			CK73GB1H102K	CHIP C	1000PF	K
C777,778			CC73GCH1H221J	CHIP C	220PF	J
C781,782			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV
C791,792			CC73GCH1H471J	CHIP C	470PF	J
C901-906			CC73GCH1H470J	CHIP C	47PF	J
C907,908			CC73GCH1H101J	CHIP C	100PF	J
C907,908			CK73GB1H101J	CHIP C	100PF	J
C909,910			CK73GB1H103K	CHIP C	0.010UF	K
C909,910			CK73GB1H103K	CHIP C	0.010UF	K
C912,913		*	CD04BJ1E470M	ELECTRO	47UF	25WV
C912,913		*	CD04BJ1E470M	ELECTRO	47UF	25WV
C915		*	CD04BJ1C471M	ELECTRO	470UF	16WV
C915		*	CD04BJ1C471M	ELECTRO	470UF	16WV
C916		*	CK73FB1E104K	CHIP C	0.10UF	K

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KRF-V5090D/V6090D/VR-905/906

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Ref. No	Add- ress	New Parts	Parts No.	Description			Desti- nation	Re- marks
R793-804			RK73GB2A220J	CHIP R	22	J	1/10W	
R805-808			RK73EB21R0J	CHIP R	1	J	1/4W	
R809-811			RK73FB2B1R0J	CHIP R	1	J	1/8W	
R812-814			RK73EB2E1R0J	CHIP R	1	J	1/4W	
R901-904			RK73GB2A750J	CHIP R	75	J	1/10W	E4
R901-904			RK73GB2A750J	CHIP R	75	J	1/10W	
R905,906			RK73GB2A104J	CHIP R	100K	J	1/10W	
R905,906			RK73GB2A104J	CHIP R	100K	J	1/10W	
R907,908			RK73GB2A750J	CHIP R	75	J	1/10W	
R907,908			RK73GB2A750J	CHIP R	75	J	1/10W	
R911			RK73GB2A472J	CHIP R	4.7K	J	1/10W	E4
R911			RK73GB2A472J	CHIP R	4.7K	J	1/10W	Y3X4E3
R912			RK73GB2A221J	CHIP R	220	J	1/10W	E4
R912			RK73GB2A221J	CHIP R	220	J	1/10W	Y3X4E3
R915,916			RD14NB2E100J	RD	10	J	1/4W	E4
R915,916			RD14NB2E100J	RD	10	J	1/4W	Y3X4E3
R917			RK73GB2A103J	CHIP R	10K	J	1/10W	
R917			RK73GB2A103J	CHIP R	10K	J	1/10W	
R921			RK73GB2A2R2J	CHIP R	2.2	J	1/10W	
R921			RK73GB2A2R2J	CHIP R	2.2	J	1/10W	
R922	*		RK73EB2E000J	CHIP R	0	J	1/4W	
S601			S62-0034-05	SLIDE SWITCH				Y
D601			1SS355	DIODE				
D602			DAN202U	DIODE				
D602			1SS301	DIODE				
D603			DAP202U	DIODE				
D603			1SS300	DIODE				
D604			HZU3.9(B2)	ZENER DIODE				
D604			UDZS3.9B	ZENER DIODE				
D605			DAN202U	DIODE				
D605			1SS301	DIODE				
D606,607			HZU5.6(B2)	ZENER DIODE				
D606,607			UDZS5.6B	ZENER DIODE				
D608		*	1SS355	DIODE				
D609	*		D2SBA207009F01	ZENER DIODE				
D610			HZU5.1(B2)	ZENER DIODE				
D610			UDZS5.1B	ZENER DIODE				
D611			HZU6.2(B2)	ZENER DIODE				
D611			UDZS6.2B	ZENER DIODE				
D612			HZU5.1(B2)	ZENER DIODE				
D612			UDZS5.1B	ZENER DIODE				
D613,614			1SS355	DIODE				
D900-902			1SR154-400	DIODE				
D900-902			1SR154-400	DIODE				
IC601	*	*	CS493263-CLZ	MOS-IC				
IC602			AK4586VQP	MOS-IC				
IC603			TC7WU04FU-F	MOS-IC				
IC604			TC7WH123FU-F	MOS-IC				
IC605			TC74HCT7007AF	MOS-IC				
IC606			TC74HC07AF	MOS-IC				
IC607			AK4384	MOS-IC				
IC609	*		XG62EP2502MRN	ANALOGUE IC				
IC611	*		BA033LBSG2	ANALOGUE IC				

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IC612			BA05T	ANALOGUE IC				
IC701-704		*	NJM4565MD-ZB	ANALOGUE IC				
IC705		*	NJU7311AM-ZB	ANALOGUE IC				
IC707,708		*	NJM4565MD-ZB	ANALOGUE IC				
IC901,902		*	MM1228XFBE-E	ANALOGUE IC				
IC901,902		*	MM1228XFBE-E	ANALOGUE IC				
Q601			DTC124EUA	DIGITAL TRANSISTOR				
Q606			2SB1375	TRANSISTOR				
Q607,608			2SC4081(R,S)	TRANSISTOR				
Q609			2SA1576A(R,S)	TRANSISTOR				
Q701,702			2SC4213(B)	TRANSISTOR				
Q901,902			DTC124EUA	DIGITAL TRANSISTOR				
Q901,902			DTC124EUA	DIGITAL TRANSISTOR				
A601			W02-2802-05	OPTIC RECEIVING MODULE				
AUDIO (X09-6970-10)								
C1 ,2		*	CD04BJ2A100M	ELECTRO	10UF	100WV		
C101			CC45FSL1H331J	CERAMIC	330PF	J	EX	
C102			CC45FCH1H101J	CERAMIC	100PF	J	EX	
C103,104			CC45FCH1H270J	CERAMIC	27PF	J	EX	
C105			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV	EX	
C106			CK45FF1H103Z	CERAMIC	0.010UF	Z	EX	
C107			CD04BJ1E470M	ELECTRO	47UF	25WV	EX	
C108			CK45FB1H561K	CERAMIC	560PF	K	EX	
C109			CK45FF1H103Z	CERAMIC	0.010UF	Z	EX	
C110			CK45FF1H103Z	CERAMIC	0.010UF	Z	EX	
C125			CD04BJ1H100M	ELECTRO	10UF	50WV		
C126			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C127			CC45FCH1H270J	CERAMIC	27PF	J		
C128			CD04BJ1H100M	ELECTRO	10UF	50WV		
C129		*	CD04BJ1E332M	ELECTRO	3300UF	25WV		
C130	*		C91-1488-05	MF	6800PF	250VAC	EXY	
C130	*		C91-1635-05	FILM	0.068UF	275WV	KP	
C130	*		C91-1648-05	MF	0.068UF	275WV	KP	
C131	*		CK45FF1H103Z	CERAMIC	0.010UF	Z		
C132	*		C91-1635-05	FILM	0.068UF	275WV		
C132	*		C91-1648-05	MF	0.068UF	275WV		
C133	*		CD04BJ1H100M	ELECTRO	10UF	50WV		
C134	*		CD04BJ1J330M	ELECTRO	33UF	63WV		
C135	*		CC45FCH1H100D	CERAMIC	10PF	D		
C137	*		CK45FF1H103Z	CERAMIC	0.010UF	Z		
C138,139			CD04BJ1E101M	ELECTRO	100UF	25WV		
C140	*		CD04BJ1E222M	ELECTRO	2200UF	25WV		
C141	*		CD04BJ1E102M	ELECTRO	1000UF	25WV	K6P6P5	
C141	*		CD04BJ1E102M	ELECTRO	1000UF	25WV	6	
C141	*		CD04BJ1E471M	ELECTRO	470UF	25WV	E1E2	
C142,143	*		CD04BJ1E471M	ELECTRO	470UF	25WV		
C142,143	*		C90-5775-05	ELECTRO	4700UF	75WV		
C144,145	*		C90-5838-05	ELECTRO	4700UF	75WV	KPXY	
C144,145	*		C90-5775-05	ELECTRO	3300UF	50WV	E	
C144,145	*		C90-5837-05	ELECTRO	3300UF	50WV	KPXY	
C146,147			C91-1422-05	MP	0.10UF	250WV		
C148-151			C91-1573-05	MP-C	0.10UF	J		
C152,153			C91-1422-05	MP	0.10UF	250WV		
C154,155			CQ93FMG1H104J	MYLAR	0.10UF	J		

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C156			CC45FCH1H330J	CERAMIC	33PF	J		
C157			CC45FCH1H270J	CERAMIC	27PF	J		
C201,202			CC45FCH1H221J	CERAMIC	220PF	J		
C221,222			CC45FCH1H221J	CERAMIC	220PF	J		
C225,226			CC45FCH1H221J	CERAMIC	220PF	J		
C229,230			CC45FCH1H221J	CERAMIC	220PF	J		
C233,234			CC45FCH1H221J	CERAMIC	220PF	J		
C237,238			CC45FCH1H221J	CERAMIC	220PF	J		
C241,242			CC45FCH1H221J	CERAMIC	220PF	J	KP	
C245,246			CC45FCH1H221J	CERAMIC	220PF	J	EXY	
C251,252			CC45FCH1H221J	CERAMIC	220PF	J	EXY	
C255,256			CC45FCH1H221J	CERAMIC	220PF	J	EXY	
C259,260			CC45FCH1H221J	CERAMIC	220PF	J	EXY	
C265,266			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV		
C268-271			CC45FCH1H101J	CERAMIC	100PF	J		
C272			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		
C273			CK45FB1H471K	CERAMIC	470PF	K		
C274			CC45FSL1H331J	CERAMIC	330PF	J		
C275			CD04BJ1E470M	ELECTRO	47UF	25WV		
C276			CD04BJ1A101M	ELECTRO	100UF	10WV		
C278			CD04BJ1A101M	ELECTRO	100UF	10WV		
C279			CD04BJ1E470M	ELECTRO	47UF	25WV		
C280			CD04BJ1A101M	ELECTRO	100UF	10WV		
C281			CC45FCH1H101J	CERAMIC	100PF	J		
C283-288			CC45FCH1H101J	CERAMIC	100PF	J	EXY	
C290-299			CC45FCH1H101J	CERAMIC	100PF	J		
C300			CC45FCH1H101J	CERAMIC	100PF	J		
C301,302			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		
C303,304			CK45FB1H471K	CERAMIC	470PF	K		
C305,306			CC45FSL1H331J	CERAMIC	330PF	J		
C307			CD04BJ1H101M	ELECTRO	100UF	50WV		
C308			CQ93FMG1H473J	MYLAR	0.047UF	J		
C309,310			CD04BJ1A101M	ELECTRO	100UF	10WV		
C311			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV		
C312			CQ93FMG1H473J	MYLAR	0.047UF	J		
C313	*		CC45FCH1H101J	CERAMIC	100PF	J		
C316,317	*		CC45FCH1H100D	CERAMIC	10PF	D		
C318	*		CD04BJ1H101M	ELECTRO	100UF	50WV		
C319,320	*		CD04BJ2A101M	ELECTRO	100UF	100WV		
C321,322	*		CK45FF1H472Z	CERAMIC	4700PF	Z		
C323-328			C91-1573-05	MP-C	0.10UF	J		
C329			CK45FF1H472Z	CERAMIC	4700PF	Z		
C330			CC45FCH1H100D	CERAMIC	10PF	D		
C332			CD04BJ1A101M	ELECTRO	100UF	10WV		
C333			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV		
C334	*		CD04BJ1H010M	ELECTRO	1.0UF	50WV		
C335	*		CD04BJ1H100M	ELECTRO	10UF	50WV		
C336	*		CD04BJ1A221M	ELECTRO	220UF	10WV		
C337	*		CD04AU1E100M	NP ELEC	10UF	25WV		
C338	*		CD04BJ1E470M	ELECTRO	47UF	25WV		
C339-343			CC45FCH1H101J	CERAMIC	100PF	J	EXY	
C344-349			CC45FCH1H101J	CERAMIC	100PF	J		
C350			CQ93FMG1H122J	MYLAR	1200PF	J		
C351			CQ93FMG1H472J	MYLAR	4700PF	J		
C352,353			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		

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Ref. No	Add-ress	New Parts	Parts No.	Description			Desti-nation	Re-marks
C354			CK45FB1H471K	CERAMIC	470PF	K		
C355,356			CK45FB1H102K	CERAMIC	1000PF	K		
C357			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		
C358			CQ93FMG1H104J	MYLAR	0.10UF	J		
C359-364			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV		
C365			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		
C366,367			CD04BJ1H100M	ELECTRO	10UF	50WV		
C368-370			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		
C371			CQ93FMG1H104J	MYLAR	0.10UF	J		
C372			CQ93FMG1H472J	MYLAR	4700PF	J		
C373,374			CK45FMG1H104J	MYLAR	0.10UF	J		
C375			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C376,377			CD04BJ1A101M	ELECTRO	100UF	10WV		
C378			CD04BJ1H010M	ELECTRO	1.0UF	50WV		
C379			CK45FB1H471K	CERAMIC	470PF	K		
C380		*	CD04BJ1H4R7M	ELECTRO	4.7UF	50WV		
C384-386		*	CK45FB1H471K	CERAMIC	470PF	K		
C391,392		*	CC45FCH1H101J	CERAMIC	100PF	J		
C401		*	CD04BJ1A101M	ELECTRO	100UF	10WV		
C403,404		*	CD04BJ2A100M	ELECTRO	10UF	100WV		
C405			CC45FCH1H470J	CERAMIC	47PF	J		
C406,407			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV		
C408,409			CK45FB1H471K	CERAMIC	470PF	K		
C410,411			CC45FSL1H331J	CERAMIC	330PF	J		
C412,413			CD04BJ1A101M	ELECTRO	100UF	10WV		
C416,417			CC45FCH1H100D	CERAMIC	10PF	D		
C424,425			CK45FF1H472Z	CERAMIC	4700PF	Z		
C426-429			C91-1573-05	MP-C	0.10UF	J		
C430			CK45FF1H472Z	CERAMIC	4700PF	Z		
C431			CC45FCH1H100D	CERAMIC	10PF	D	6	6
C433			CD04BJ1A101M	ELECTRO	100UF	10WV	6	6
C434			CC45FSL1H331J	CERAMIC	330PF	J	6	6
C435			CK45FB1H471K	CERAMIC	470PF	K	6	6
C436			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV	6	6
C437,438			C91-1573-05	MP-C	0.10UF	J	6	6
C439-443			CK45FB1H222K	CERAMIC	2200PF	K		
C444			CC45FCH1H221J	CERAMIC	220PF	J		
C445			CC45FCH1H1560J	CERAMIC	56PF	J		
C446			CK45FB1H222K	CERAMIC	2200PF	K		
C638-642			CC45FCH1H470J	CERAMIC	47PF	J	6	6
C643-645			CD04BJ1E470M	ELECTRO	47UF	25WV		
C648			CD04AT1C100M	ELECTRO	10UF	16WV		
C652			CD04AT1C100M	ELECTRO	10UF	16WV		
C701			CC45FCH1H101J	CERAMIC	100PF	J		
C702			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV	K6P6P5	
C702			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV	Y1Y2X2	
C703			CC45FCH1H101J	CERAMIC	100PF	J		
C826,827			CK45FB1H471K	CERAMIC	470PF	K		
CN101	*		E41-1429-05	FLAT CABLE CONNECTOR				
CN102	*		E41-1460-05	FLAT CABLE CONNECTOR				
CN103	*		E41-1429-05	FLAT CABLE CONNECTOR				
CN201	*		E41-1234-05	FLAT CABLE CONNECTOR				
J201	*		E63-1372-05	PIN JACK				
J202	*		E63-1370-05	PIN JACK				

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J203		*	E63-1370-05	PIN JACK	KP	
J203		*	E63-1372-05	PIN JACK	EXY	
J204		*	E63-1373-05	PIN JACK	EXY	
△ J205			E03-0396-05	AC OUTLET	KPY	
△ J205			E03-0398-05	AC OUTLET	E	
△ J206			E03-0325-05	AC OUTLET	X	
J401		*	E70-0156-05	LOCK TERMINAL BOARD		
J402		*	E70-1004-05	LOCK TERMINAL BOARD	5	
J403		*	E70-0154-05	LOCK TERMINAL BOARD	6	
J404			E63-1146-05	PIN JACK		
J603		*	E63-1368-05	PIN JACK		
J604		*	E63-1371-05	PIN JACK		
J801		*	E11-0271-05	PHONE JACK (METAL SLEEVE)		
△ F101			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	EXY	
△ F101			F50-0077-05	FUSE(5X20) (8A)	KP	
△ F102			F06-1022-05	FUSE (SEMKO) (250V T1AL)	EXY	
△ F103			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	Y	
L301-303			L39-1373-05	PHASE COMPENSATION COIL		
L401,402			L39-1373-05	PHASE COMPENSATION COIL		
L403			L39-1373-05	PHASE COMPENSATION COIL		
△ T101			L07-2758-05	POWER TRANSFORMER	KPEX	
△ T101			L07-2761-05	POWER TRANSFORMER	KPEX	
△ T101			L07-2805-05	POWER TRANSFORMER	Y	
X101			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	EX	
△ R123			RD14NB2E1R0J	RD	1	
R124			RS14KB3A221J	FL-PROOF RS	220	J 1W
R125			RD14NB2E270J	RD	27	J 1/4W
△ R126			RD14NB2E101J	RD	100	J 1/4W
R127			RD14NB2E822J	RD	8.2K	J 1/4W
△ R132		*	R92-4677-05	CARBON R	3.3M	K 1/2W
△ R141,142			RD14NB2E1R0J	RD	1	J 1/4W
△ R262			RD14BB2C132J	RD	1.3K	J 1/6W
R316,317			RS14KB3A472J	FL-PROOF RS	4.7K	J 1W
R334,335			RD14NB2E4R7J	RD	4.7	J 1/4W
R338-341			RS14KB3DR22J	FL-PROOF RS	0.22	J 2W
R342,343			RS14KB3D4R7J	FL-PROOF RS	4.7	J 2W
R345			RS14KB3D4R7J	FL-PROOF RS	4.7	J 2W
R347			RD14NB2E4R7J	RD	4.7	J 1/4W
R348,349			RS14KB3DR22J	FL-PROOF RS	0.22	J 2W
R365			RD14NB2E561J	RD	560	J 1/4W
R410			RD14NB2E103J	RD	10K	J 1/4W
R411			RD14NB2E101J	RD	100	J 1/4W
R414			RD14NB2E101J	RD	100	J 1/4W
R415			RD14NB2E103J	RD	10K	J 1/4W
R436			RD14NB2E4R7J	RD	4.7	J 1/4W
R438,439			RS14KB3D391J	FL-PROOF RS	390	J 2W
R452,453			RS14KB3A472J	FL-PROOF RS	4.7K	J 1W
R460-463			RS14KB3DR22J	FL-PROOF RS	0.22	J 2W
R466,467			RD14NB2E4R7J	RD	4.7	J 1/4W
R468,469			RS14KB3D4R7J	FL-PROOF RS	4.7	J 2W
R473,474			RS14KB3DR22J	FL-PROOF RS	0.22	J 2W
R475			RD14NB2E4R7J	RD	4.7	J 1/4W
R476			RS14KB3D4R7J	FL-PROOF RS	4.7	J 2W
R478-480			RS14KB3A221J	FL-PROOF RS	220	J 1W
					6	
					6	
					6	

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R995,996			RS14KB3D32J	FL-PROOF RS	3.3K	J 2W
△ K101			S76-0099-05	MAGNETIC RELAY	KP	
△ K101			S76-0102-05	MAGNETIC RELAY	EXY	
K401-403			S76-0097-05	MAGNETIC RELAY	Y	
△ S101			S62.1.5	SLIDE SWITCH	EXY	
△ S102			S68-0107-05	PUSH SWITCH		
D113			RB441Q-40	DIODE		
△ D114-116			HSS104A	DIODE		
△ D114-116			1SS133	DIODE		
△ D117		*	STZB20(7101)	DIODE		
D118			HZS16N(B2)	ZENER DIODE		
D118			MTZ16(B)	ZENER DIODE		
D119			HZS15N(B2)	ZENER DIODE		
D119			MTZ15(B)	ZENER DIODE		
D120		*	D2SBA207009F01	DIODE		
D121,122		*	D5SBA20-7003	DIODE		
D123,124			HSS104A	DIODE	Y	
D123,124			1SS133	DIODE	Y	
D201			HZS6.8N(B2)	ZENER DIODE		
D201			MTZJ6.8(B)	ZENER DIODE		
D202			HZS5.1N(B2)	ZENER DIODE		
D202			MTZJ5.1(B)	ZENER DIODE	KPY	
D203			HZS6.8N(B2)	ZENER DIODE	KPY	
D203			MTZJ6.8(B)	ZENER DIODE		
D215			HSS104A	DIODE		
D215			1SS133	DIODE		
D202			HZS15N(B2)	ZENER DIODE		
D301,302			MTZJ15(B)	ZENER DIODE		
D301,302			HSS104A	DIODE		
D303,304			1SS133	DIODE		
D305,306			HZS10N(B2)	ZENER DIODE	EXY	
D305,306			HZS11N(B2)	ZENER DIODE	KP	
D305,306			MTZJ10(B)	ZENER DIODE	EXY	
D305,306			MTZJ11(B)	ZENER DIODE	KP	
D307			HZS3.9N(B2)	ZENER DIODE		
D307			MTZJ3.9(B)	ZENER DIODE		
D308-310			HSS104A	DIODE		
D308-310			1SS133	DIODE		
D311,312			HZS3.9N(B2)	ZENER DIODE		
D311,312			MTZJ3.9(B)	ZENER DIODE		
D313			HSS104A	DIODE		
D313			1SS133	DIODE		
D314			HZS3.9N(B2)	ZENER DIODE		
D314			MTZJ3.9(B)	ZENER DIODE		
D315			HSS104A	DIODE		
D315			1SS133	DIODE		
D316			HZS3.9N(B2)	ZENER DIODE		
D316			MTZJ3.9(B)	ZENER DIODE		
D317,318			HSS104A	DIODE		
D317,318			1SS133	DIODE		
D319			HZS11N(B2)	ZENER DIODE	E	
D319			MTZJ11(B)	ZENER DIODE	E	
D319,320			HZS15N(B2)	ZENER DIODE	KP	
D319,320			HZS16N(B2)	ZENER DIODE	XY	

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D319,320			MTZJ15(B)	ZENER DIODE	KP	
D319,320			MTZJ16(B)	ZENER DIODE	XY	
D320			HZS13N(B2)	ZENER DIODE	E	
D320			MTZJ13(B)	ZENER DIODE	E	
D323			HSS104A	DIODE		
D323			1SS133	DIODE		
D401,402			HZS15N(B2)	ZENER DIODE		
D401,402			MTZJ15(B)	ZENER DIODE		
D403,404			HSS104A	DIODE		
D403,404			1SS133	DIODE		
D406-408			HSS104A	DIODE		
D406-408			1SS133	DIODE		
D602,603			HZS5.6N(B2)	ZENER DIODE		
D602,603			MTZJ5.6(B)	ZENER DIODE		
D999			HSS104A	DIODE		
△ IC101	*		1SS133	DIODE		
△ IC105			BU1924	ANALOGUE IC		
△ IC106	*		BA05T	ANALOGUE IC		
△ IC107	*		KIA7812API-UP	ANALOGUE IC		
IC202	*		KIA7912API-UP	ANALOGUE IC		
△ IC206	*		M61516PG-RF0G	ANALOGUE IC		
△ IC301	*		NJM4565D-ZB	ANALOGUE IC		
△ IC401	*		STK413-220A-E	HYBRID IC		
IC607	*		STK412-220A-E	HYBRID IC		
△ Q113			NJM2279D-ZB	ANALOGUE IC		
Q114			2SB1640	TRANSISTOR		
Q114			2SC1740S(Q,R)	TRANSISTOR		
△ Q201			2SC2785(F,E)	TRANSISTOR		
△ Q203			2SC1845(F,E)	TRANSISTOR		
Q301-306			2SA992(F,E)	TRANSISTOR		
Q307,308			2SC2878(B)	TRANSISTOR		
Q309-315			2SA992(F,E)	TRANSISTOR		
Q316			2SC1845(F,E)	TRANSISTOR		
Q317,318			2SC2878(B)	TRANSISTOR		
Q319			2SA992(F,E)	TRANSISTOR		
Q401			2SC1845(F,E)	TRANSISTOR		
Q402			2SA1535A	TRANSISTOR		
Q403			2SC394AA	TRANSISTOR		
Q404			2SC1845(F,E)	TRANSISTOR		
Q405			2SA992(F,E)	TRANSISTOR		
Q406			2SB1640	TRANSISTOR		
Q407,408			2SC1845(F,E)	TRANSISTOR		
Q409			2SC1845(F,E)	TRANSISTOR		
Q410,411			DTC113ZSA	DIGITAL TRANSISTOR	6	
Q412			2SC1740S(Q,R)	TRANSISTOR		
Q412			2SC2785(F,E)	TRANSISTOR		
Q701			2SC2878(B)	TRANSISTOR		
Q701			2SC2878(B)	TRANSISTOR		
Q800			2SC1845(F,E)	TRANSISTOR		
Q801,802			2SA992(F,E)	TRANSISTOR	6	
Q803			DTC113ZSA	DIGITAL TRANSISTOR	K6P6P5	
Q803			DTC113ZSA	DIGITAL TRANSISTOR	K6P6P5	

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DISPLAY (X14-7930-10)						
D805-807			B30-2545-05	LED(RED3(160))		
D808			B30-2597-05	LED(RED HI-BRIGHT)		
C801		*	CD04AT1H330M	ELECTRO	33UF	50WV
C802,803			CD04AT1H010M	ELECTRO	1UF	50WV
C804			CD04BJ1H470M	ELECTRO	47UF	50WV
C805			CD04AT1A101M	ELECTRO	100UF	10WV
C806			CD04AT1E470M	ELECTRO	47UF	25WV
C807			CD04AT1H100M	ELECTRO	10UF	50WV
C809		*	CD04AT1H010M	ELECTRO	1UF	50WV
C810		*	C90-5839-05	ELECTRIC DOUB	LE LAYER CAP.	
C811		*	CD04AT1A101M	ELECTRO	100UF	10WV
C812		*	CD04AU1H100M	NP ELEC	10UF	50WV
C813			CK45FF1H103Z	CERAMIC	0.010UF	Z
C814			CC45FC1H101J	CERAMIC	100PF	J
C815,816			CK45FF1H103Z	CERAMIC	0.010UF	Z
C817			CC45FC1H101J	CERAMIC	100PF	J
C818,819			CK45FF1H103Z	CERAMIC	0.010UF	Z
C820,821			C91-0769-05	CERAMIC	0.010UF	K
C822-824			CK45FF1H103Z	CERAMIC	0.010UF	Z
C825			CD04AT1H010M	ELECTRO	1UF	50WV
C827			CD04AT1H100M	ELECTRO	10UF	50WV
C828-833			CK45FF1H103Z	CERAMIC	0.010UF	Z
C834			CQ93FMG1H103J	MYLAR	0.010UF	J
C835			CQ93FMG1H104J	MYLAR	0.10UF	J
C836-839			C91-0745-05	CERAMIC	100PF	K
C840			CQ93FMG1H104J	MYLAR	0.10UF	J
C841			C91-0745-05	CERAMIC	100PF	K
C843			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV
C844,845			CK45FF1H103Z	CERAMIC	0.010UF	Z
C846			CQ93FMG1H103J	MYLAR	0.010UF	J
C847,848			C91-0745-05	CERAMIC	100PF	K
C849			CC45FC1H100D	CERAMIC	10PF	D
C850			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV
C851			CK45FF1H103Z	CERAMIC	0.010UF	Z
C852			CQ93FMG1H103J	MYLAR	0.010UF	J
CN801		*	C91-0745-05	CERAMIC	100PF	K
CN802		*	E41-1460-05	FLAT CABLE CONNECTOR		
CN803		*	E41-1458-05	FLAT CABLE CONNECTOR		
X800			E41-1462-05	FLAT CABLE CONNECTOR		
X801			L78-0747-05	RESONATOR (4MHZ)		
			L78-0725-05	RESONATOR (8.38MHZ)		
CP801			R90-0500-05	MULTI-COMP	100KX6	J 1/4W
CP802			R90-0855-05	MULTI-COMP	100KX5	J 1/4W
CP803			R90-0493-05	MULTI-COMP	100KX9	J 1/6W
R849			RD14NB2E2R2J	RD	2.2	J 1/4W
S801-812			S70-0031-05	TACT SWITCH		
S801-812			S70-0086-05	TACT SWITCH		
S813,814			T99-0666-05	ROTARY ENCODER		
S815			T99-0664-05	ROTARY ENCODER		
D801			HZS6.2N(B2)	ZENER DIODE		
D801			MTZJ6.2(B)	ZENER DIODE		

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D802-804			HSS104A	DIODE		
D802-804			1SS133	DIODE		
D809			HSS104A	DIODE		
D809			1SS133	DIODE		
D810			HSS104A	DIODE		
D810			1SS133	DIODE	KPY	
D811			HSS104A	DIODE	KPY	
D811			1SS133	DIODE	KPY	
△ D812,813			RB441Q-40	DIODE		
D814			HSS104A	DIODE		
D814		*	1SS133	DIODE		
D816		*	HSS104A	DIODE		
D816		*	1SS133	DIODE		
D819-828		*	HSS104A	DIODE		
D819-828		*	1SS133	DIODE		
ED801		*	11-MT-143GNK	FLUORESCENT INDICATOR TUBE		
IC801		*	MN12510F	MOS-IC		
IC802		*	S-80840CNY-GZ	ANALOGUE IC		
IC803		*	XC6202P502THN	ANALOGUE IC		
IC804		*	MN101C49KDB	MICROCONTROLLER IC		
IC806		*	S-80840CNY-GZ	ANALOGUE IC		
Q802		*	2SC1740S(Q,R)	TRANSISTOR		
Q802		*	2SC2785(F,E)	TRANSISTOR		
Q803		*	2SA1175(F,E)	TRANSISTOR		
Q803		*	2SA933AS(Q,R)	TRANSISTOR		
Q804-807			2SC1740S(Q,R)	TRANSISTOR		
Q804-807			2SC2785(F,E)	TRANSISTOR		
A801			W02-4599-05	ELECTRIC CIRCUIT MODULE		

VIDEO INPUT (X25-6730-10)

C101-107		CC45FCH1H100D	CERAMIC	10PF	D		
C108,109		CC45FCH1H820J	CERAMIC	82PF	J		
C110-115		CD04BJ1H100M	ELECTRO	10UF	50WV		
C116		CK45FF1H103Z	CERAMIC	0.010UF	Z		
C117		CD04BJ1H100M	ELECTRO	10UF	50WV		
C118		CD04BJ1A471M	ELECTRO	4700UF	10WV		
C119		CK45FF1H103Z	CERAMIC	0.010UF	Z		
C120		CD04BJ1H100M	ELECTRO	10UF	50WV		
C121		CD04BJ1A471M	ELECTRO	4700UF	10WV		
C122		CD04BJ1V330M	ELECTRO	33UF	35WV		
C123		CD04BJ1H100M	ELECTRO	10UF	50WV		
C124		CD04BJ1A471M	ELECTRO	4700UF	10WV		
C125		CQ93FMG1H104J	MYLAR	0.10UF	J		
C126		CD04BJ1E470M	ELECTRO	47UF	25WV		
C127-129		CK45FF1H103Z	CERAMIC	0.010UF	Z		
C130-132		CQ93FMG1H104J	MYLAR	0.10UF	J		
C133		CD04BJ1E470M	ELECTRO	47UF	25WV		
C134-141		CK45FF1H103Z	CERAMIC	0.010UF	Z		
C511		CD04BJ1H100M	ELECTRO	10UF	50WV		
CN501		E41-0928-05	PIN ASSY				
J101	*	E63-1374-05	PIN JACK				
J102	*	E63-1375-05	PIN JACK				
R517		RD14NB2E470J	RD	47	J 1/4W		

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I :

Malaysia

Y : PX(Far East,Hawaii)

T : England

E : Europe

G : Germany

V : China(Shanghai)

Y : AAFES(Europe)

X : Australia

Q : Russia

H : Korea

M : Other Areas

△ indicates safety critical components .

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D501		*	HZS5.6N(B2)	ZENER DIODE		
D501		*	MTZJ5.6(B)	ZENER DIODE		
IC101		*	NJM2584D-ZB	ANALOGUE IC		
IC102		*	NJM2580D-ZB	ANALOGUE IC		
Q501		*	2SC3940A(R,S)	TRANSISTOR		
Q503,504			DTC124ESA	DIGITAL TRANSISTOR		

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HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	CNTRY	Australia	Canada	Europe	PX/AAFES	USA
	ABB.	X	P	E	Y	K
KRF-V5090D	5	-	-	E1	Y1	-
KRF-V5090D-S	5	X2	-	E2	Y2	-
KRF-V6090D	6	-	-	E3	Y3	-
KRF-V6090D-S	6	X4	-	E4	-	-
VR-905	5	-	P5	-	-	-
VR-905-S	5	-	P6	-	-	K6
VR-906	6	-	P7	-	-	K7
VR-906-S	6	-	P8	-	-	K8

